



Advanced Mathematics  
Support Programme

## Core Maths Summer Festival 2021

When	Presenters	Details and booking link
<b>Tuesday 8 June 2021 4pm</b>	Dashiell Young-Saver – high school statistics teacher, found of <a href="#"><i>Skew The Script</i></a> and moderator for the NYT Learning Network’s weekly feature <a href="#"><i>“What’s Going On in This Graph?”</i></a>	<a href="#"><i>Skew the Script</i></a> provides free statistics resources based in authentic and often very challenging contexts. Join Dash for this session to hear first-hand how he hooks his students in on their first day, and how they have developed their application of quantitative reasoning through this approach.
<b>Thursday 10 June 2021 4pm</b>	Rachel Beddoes and Cat van Saarloos both work on the AMSP and are passionate about encouraging students to want to continue to study mathematics and demonstrating where maths can take them.	<a href="#"><i>The Great Gatsby</i></a> will guide you through the new AMSP videos and resources which link the maths curriculum to the world of work. You will leave with ideas to inspire your students that are easy to pick up and use.
<b>Tuesday 15 June 2021 4pm</b>	Tom Rainbow works on the AMSP and has a particular interest in exploring ways in which mathematics can provide young people with a set of tools with which to make sense of the world they live in.	<a href="#"><i>Truth or Lies?</i></a> This session will show how the processing, interpretation and evaluation of data can be used to sort truth from lies. We will be exploring some of the statistical and spreadsheet features of GeoGebra and how these can enhance your lessons.
<b>Thursday 17 June 2021 4pm</b>	Ben Sparks is a mathematician, musician, and public speaker. He gives maths talks and workshops around the world, to students, teachers, and the general public.	<a href="#"><i>Find The Fraud, Catch The Con, Stop The Scam</i></a> will explore how to use probability distributions, statistical analysis, and the exploitation of surprising number patterns to determine whether people are cheating, or whether you’re being scammed.
<b>Tuesday 22 June 2021 4pm</b>	Jen Buckley works at the UK Data Service and has a special interest in learning resources that introduce how data skills can help us understand society.	<a href="#"><i>Are you normal?</i></a> The UK Data Service houses the UK’s largest collection of social, economic and population data, including data from large social surveys and the UK Census. Join Jen to learn about the data, try out resources, and reflect on how their use can contribute to greater engagement within your lessons.

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<b>Thursday 24 June 2021</b> 4pm	Natalie Vernon works on the AMSP and is particularly interested in how technology and an understanding of cognitive science can help to improve understanding and engagement in maths classrooms.	<a href="#"><u><i>Making Sense with Desmos</i></u></a> In this session we will consider how Desmos can be used to explore the mathematics that results from real-life contexts and how that exploration can help to deepen student's understanding of key concepts, as well as promoting meaningful conversations.
<b>Tuesday 29 June 2021</b> 4pm	Dave Gale is an Associate for the AMSP, a teacher in an 11-18 school, a blogger, a TES resource reviewer and most importantly, a very enthusiastic teacher of Core Maths.	<a href="#"><u><i>Easy Money</i></u></a> During this session, Dave will share and talk about the various resources he uses when teaching the financial aspects of Level 3 Core Maths. There will be opportunities to discuss common misconceptions and the areas that students (and teachers!) typically find most challenging.
<b>Thursday 1 July 2021</b> 4pm	Dr Aoife Hunt works for Movement Strategies, a consultancy that specialises in analysing the movements of people. Aoife works with researchers on how we can use maths to make buildings safer.	<a href="#"><u><i>The Maths of Crowds</i></u></a> will explore some unexpected applications of maths in the world of large crowd flow. There will be some new research explored as well as some familiar concepts (e.g., Pythagoras, quadratics, the normal distribution), but applied in an exciting real-world context.
<b>Tuesday 13 July 2021</b> 4pm	Dr Wanda Wyporska is Executive Director of The Equality Trust and Catherine Madden is an information designer and visual story strategist based in San Francisco.	<a href="#"><u><i>Visualising Inequality (by hand)</i></u></a> In this session, you will learn how to create simple hand drawn visualisations using some fascinating inequality data highlighted by The Equality Trust. Passing these skills on to your students will give them the opportunity to explore data in a tangible and physical way.
<b>Thursday 15 July 2021</b> 4pm	Tom Button is the MEI Mathematics Technology Specialist and leading MEI's work on the development of Data Science courses and materials for pre-university students.	<a href="#"><u><i>Data Science Short Course for Core Maths students</i></u></a> is a free set of self-study resources to introduce Data Science. The series of lessons include videos and programming activities in Python (though no prior experience of coding is required). In this session we will explore the resources and how they can be used with your students.