

## Core Maths Summer Festival 2022

Sessions are 2 hours long and start at 4.15pm.

The main session content will be delivered in the first 90 minutes followed by 30 minutes dedicated to questions and support.

	Session Title	Information
Tues 14th June	<b><u>How do we engage unmotivated and resit GCSE students?</u></b> with Emma Bell	<ul style="list-style-type: none"> <li>• How context-driven maths delivery can motivate and engage GCSE students</li> <li>• Ways to make algebra relatable</li> </ul>
Thurs 16th June	<b><u>Collecting and analysing data in maths and Psychology</u></b> with Cat van Saarloos	<ul style="list-style-type: none"> <li>• Interactive activities which collect student data from experiments</li> <li>• Ways to make statistics accessible, fun and easy to embed in any course</li> </ul>
Mon 20th June	<b><u>Maths in the News</u></b> with Cat van Saarloos and the Economist Educational Foundation	<ul style="list-style-type: none"> <li>• Activities from the Economist Educational Foundation on Maths in the News</li> <li>• Top-tips for developing critical analysis skills in your students</li> </ul>
Wed 22nd June	<b><u>Experience confidence intervals with Stats Medic</u></b> with Luke Wilcox	<ul style="list-style-type: none"> <li>• The ethos of The Stats Medic: experience first, formalise later</li> <li>• Activities on sampling distributions and confidence intervals</li> </ul>
Tues 28th June	<b><u>Correlation in maths and geography</u></b> with Tom Rainbow and the Royal Geographical Society	<ul style="list-style-type: none"> <li>• Exciting ways to analyse bivariate data</li> <li>• Why Spearman's rank is so useful in A level Geography</li> <li>• Correlation teaching activities that can be used in Maths and Geography classrooms</li> </ul>
Mon 4th July	<b><u>Spreadsheets and the world of work</u></b> with Rachel Beddoes, Tom Rainbow and Cat van Saarloos	<ul style="list-style-type: none"> <li>• Key spreadsheet skills</li> <li>• The full collection of <b><u>'World of Work' resources</u></b> and their links to the maths curriculum</li> <li>• Further resources and extension opportunities for students.</li> </ul>
Tues 5th July	<b><u>Standard deviation in maths and biology</u></b> with Sarah Denison	<ul style="list-style-type: none"> <li>• Compare standard deviation assessment questions across a range of subjects</li> <li>• Ways to introduce and help students develop a deeper understanding of standard deviation (with a focus on biological contexts)</li> </ul>
Tues 12 July	<b><u>What's Going on In This Graph? with The New York Times</u></b> with Sharon Hessney and Dashiell Young-Saver	<ul style="list-style-type: none"> <li>• How "What's Going On in This Graph?" fosters in-depth student discussion, activates critical thinking, and strengthens skills in making observations and inferences.</li> <li>• The <b><u>NY Times Math Lessons of the Day</u></b> on pre-natal tests to electric cars</li> </ul>
Thurs 14th July	<b><u>Climate change and maths</u></b> with Emma Bell and Alistair Bissell	<ul style="list-style-type: none"> <li>• Climate data sources and how they can be used in Maths lessons</li> <li>• The new MEI and Royal Meteorological Society Climate Change and Maths resources for KS3 and Core Maths</li> </ul>