

# Herts for Learning: Secondary Mathematics

## Overview of events for 2018/19

### Training courses and meetings for staff

Timing	Event
<b>26th and 27th September, 2018</b> 8.30 – 10.00am	<b>Breakfast Briefings</b> All the relevant information and analysis arising out of the summer exam season and more. Course codes: <b>18MAT/057S</b> and <b>18MAT/058S</b>
<b>21st and 22nd November, 2018</b> 1.00 – 4.00pm	<b>Marking and standardising GCSE mock examinations</b> Detailed insight into how GCSE papers are marked. Important in helping to support Year 11 students, and in ensuring that tracking data from mocks are accurate. Course codes: <b>18MAT/063S</b> and <b>18MAT/056S</b>
<b>16th January, 2019</b> 9.00am – 3.45pm	<b>GCSE Booster (Foundation)</b> Ideas for teaching and maximising student understanding at Foundation Tier. Morning will focus on achieving Grade 4, afternoon on Grade 5. Staff can book morning only, afternoon only, or for the full day. Morning session: 9.00am – 12.00pm Course code: <b>18MAT/059S</b> Afternoon session: 12.45 – 3.45pm Course code: <b>18MAT/060S</b>
<b>17th January, 2019</b> 9.00am – 3.45pm	<b>GCSE Booster (Higher)</b> Ideas for teaching and maximising student understanding at Foundation Tier. Morning will focus on achieving Grade 7, afternoon on Grades 8 and 9. Staff can book morning only, afternoon only, or for the full day. Morning session: 9.00am – 12.00pm Course code: <b>18MAT/61S</b> Afternoon session: 12.45 – 3.45pm Course code: <b>18MAT/062S</b>
<b>25th June, 2019</b> 9.30am – 4.00pm	<b>Getting Mathematics right at Key Stage 3</b> With GCSEs over, an opportunity to reflect on how to ensure students are ready for KS4 through effective pedagogy and structure in Years 7 to 9. Course code: <b>19MAT/001S</b>
<b>10th July, 2019</b> 9.00am – 4.00pm	<b>Conference</b> Presentations, discussions and activities on topics of current interest. Will include guest speakers. Course code: <b>TBA</b>

Book online at [hertsforlearning.co.uk/booking](https://hertsforlearning.co.uk/booking) or email [training@hertsforlearning.co.uk](mailto:training@hertsforlearning.co.uk) for further information.

### Work groups

These are funded by the Matrix Maths Hub, and will be free of charge. They are designed to share and spread good practice in areas of importance within Mathematics education. Each group will involve a series of meetings, generally half-day or after-school time slots, throughout the year, in locations to suit the participants.

The aim will be for participants to trial resources and strategies, feedback and discuss and develop a range of ideas to bring back to their settings.

These will be promoted by the Maths Hub, with more details of timings available shortly.

Please see overleaf for a list of this year's work groups.

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## Matrix Maths Hub work groups 2018/19

### Mathematics Teaching beyond the NQT year

Further early professional development for teachers who have recently completed their NQT year (ideally in their second or third year of teaching).

### Supporting schools with Higher Tier Mathematics

Support for colleagues, including non-specialists, who are teaching Higher Tier content in Years 9 to 11, possibly for the first time. Programme will be designed round the needs of the participants.

### Developing Reasoning and Problem-Solving at Key Stage 3

Strategies for developing these important skills in the early secondary years. Might also be of interest to colleagues teaching upper KS2.

### Mathematical Thinking for GCSE

This work group offers teachers and their departments high quality nationally-coordinated support to address the thinking, problem-solving and communication skills needed in the new GCSE.

### Continuity from Year 5 to Year 8

Involving primary as well as secondary colleagues, this work group will explore how students can make seamless and steady progress across the 'middle years' of their Mathematics education.

### Challenging Topics at GCSE

Part of a nationwide network of groups looking at the best ways to deliver challenging topics, some of which are relatively new to GCSE, such as vectors, trigonometry, ratio & proportion, and proof.

### Developing TAs' subject knowledge

Support for teaching assistants and other adults to develop their mathematical understanding, and contribute more effectively to student progress.

### Developing working partnerships for students with SEND in Mathematics

Improving provision for this important group of students.

## Events for students

Timing	Event
March/April	<b>Year 7 Mathematics Challenge</b> Four heats in different parts of the county, followed by a Grand Final at the Hertfordshire Development Centre in Stevenage. A variety of activities, including problem-solving, memory and estimation.
May/June	<b>Year 8 Mathematics Challenge</b> As above, with Year 8.
Spring Term	<b>Saturday revision hubs</b> Five Saturdays (alternating with our English colleagues) at Samuel Ryder Academy in St Albans. Two 3-hour workshops each day – Foundation and Higher tier – each one focussing on a different area of the syllabus. Designed to complement schools' own programmes of preparation and intervention.
May/June	<b>Saturday morning revision</b> Last-minute revision sessions, one before each of the GCSE summer exams. Target audience will be students aiming for Grades 4 or 5.

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