SSAT Non-Specialist Maths programme

Agenda
Tuesday 10 – Thursday 12 July 2018

In three days it is not possible to teach every strand of mathematics in KS3 and 4, but we have crafted the programme to target key areas of conceptual difficulty, matched by approaches that can be transferred to other topics and subject areas. By participating in this programme, participants will experience many different aspects of teaching mathematics focusing on mathematics specific pedagogy. This programme provides the relevant strategies as well as the rationale behind using them. Participants will be actively involved in mathematics, using activities you can take back to your classroom and use the very next day. Sessions will be interactive and practical.

Tuesday 10 July 2018

08.30 – 09.00	**Welcome and introduction**
09.00 – 10.30	**Thinking skills and problem solving in mathematics** • Develop independent learning skills • Encourage risk taking • Equip students with strategies to become unstuck
10.30 – 10.45	**Refreshments and networking**
10.45 – 13.00	**Bar modelling – mathematical thinking tool** • Fractions, decimals and percentages • Ratio and proportion • Mixed exam questions
13.00 – 13.30	**Lunch and networking**
13.30 – 15.45	**Promoting problem solving and thinking skills in mathematics** • Where to find good problems • How to use them in your classrooms • How to encourage thinking without doing it for them • Developing independent learners through problem solving
15.45 – 16.00	**Review learning and questions from the day**

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Wednesday 11 July 2018

08.30 – 09.00	**Prepare for learning activity**
09.00 – 10.30	**Ofsted Better Mathematics** • Ofsted good practice • What Ofsted are looking for in maths lessons
10.30 – 10.45	**Refreshments and networking**
10.45 – 13.00	**How to make teaching a topic more engaging - Probability** • Help students to understand real life situations and how probability is used within them • Use of games to help teach probability
13.00 – 13.30	**Lunch and networking**
13.30 – 15.45	**Making algebra accessible – keeping it in context** • Introduction to the use of symbols and algebra notation • Introduction to solving equations **Making algebra accessible – human co-ordinates** • Understanding graphs
15.45 – 16.00	**Review learning and questions from the day**

Thursday 12 July 2018

08.30 – 09.00	**Prepare for learning activity**
09.00 – 10.30	**Changes to the mathematics curriculum** • Understanding v procedure – which one develops the more successful learner? • What it means to develop mastery in your classroom. • Changes to the mathematics GCSE. • The future of GCSE questions
10.30 – 10.45	**Refreshments and networking**
10.45 – 13.00	**Teaching Pythagoras theorem and trigonometry –** This is now on foundation GCSE!
13.00 – 13.30	**Lunch and networking**
13.30 – 15.45	**Have you ever tried …** • A range of activities that you can use in your lessons to make mastery and practice more interesting and effective.
15.45 – 16.00	**Evaluation and next steps** Close

Agenda subject to change

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