Friday 7 April		
1500 -1720		Registration with tea/coffee and settling in **Guided tour with Florence Nightingale** 16.20 – 17.20 Math Trail available in vestibule until 15.30 on Saturday (prize draw from successfully completed trails).
Opening Plenary	1730-1845	**Welcome and Liz Meenan:** *Geometry for all through paper folding*
AGM/Newcomers	1845-1930	*First timers' welcome session (Liz Russell, Sue Forrest and Oli Thompson)*
Dinner	1900-2030	*Founders Dining Room*
Social event	2030-2130	*Quiz (accessible, mathematical and light-hearted) in Crossland Suite*

Saturday 8 April		**Prim 1**	**Prim 2**	**Sec 1**	**Sec 2**	**Post 16 A**	**Post 16 B**	**All**	**General**	**T&L with ICT**
Primary Plenary	0900-1015	**Debbie Morgan (NCETM),** *What is mastery, why does it matter, and what are teachers doing where it's working well?*								
Session 1	1020-1135	Rachael Horsman *Activities for developing geometrical thinking in Primary*	Sian Thomas *Inspire Maths: Using the Singapore Approach*	Kevin Lord *Solving problems with card and paper*	Peter Jarrett *When learners can't or won't do maths! Making maths fun and engaging for everyone.*	Lisa Pollard *Mathematics at level 3: challenges and opportunities*	Tom Roper *Mechanics and human motion*	Robert Barbour *Recruiting, retaining and supporting mathematics teachers*	Adam McBride *The Simpsons rule*	Douglas Butler *Autograph for 11-16 mathematics*
Break	*1135-1200*	**P u b l i s h e r s E x h i b i t i o n** and Refreshments								
Session 2	1200-1315	Fran Watson *NRICHing Fractions*	Maths No Problem *'Singapore maths' for mastery*	Simon Mazumder *Is Problem Solving Difficult?*	Colin Foster *Mathematical Etudes*	Sidney Tyrrell *Making sense of statistics*	Andrew Taylor *Problems, models and data… the challenges of the new A-level.*	Chris Budd *Using climate change to motivate teaching*	Chris Pritchard *Round peg in a square hole*	Mark Dawes *Geogebra 1: getting started*
Lunch	*1315-1415*	**P u b l i s h e r s E x h i b i t i o n**								
Session 3	1415-1530	Rose Griffiths/ Sue Gifford *Manipulatives with 3-9 year olds*	Jo Lees *Primary reasoning and problem solving in KS2*	Liz Russell *Resources to use with feeder schools to support transition*	Kathryn Greenhalgh/ Charlotte Thompson *Developing reasoning*	Nick McIvor *Core Maths on the ground: what works?*	Graham Griffiths *Beyond GCSE resits: provision for post-16s without a C+*	Margaret Brown *Mathsworld UK*	Peter Neumann *A prehistory of Lagrange's theorem*	Douglas Butler *Chasing PS ideas from the web*
Break	*1530-1550*	**P u b l i s h e r s E x h i b i t i o n** and Refreshments								
Session 4	1550-1700	Ruth Bull *Fluency through games*	Pete Sides *Bar modelling-bar logic.*	Mel Muldowney (JustMaths) *Activities to help develop resilience at KS3/4*	Colin Foster and Jeremy Hodgen *Moving your underachieving year 9's*	Fiona Allen *Making GCSE resit classes work*	Will Hornby (OCR) *Large data sets for KS4 and 5*	Pietro Tozzi (Pearson) *Bringing maths teaching into the 21st century*	Jim Simons *Meet the surreal numbers*	Stephen Britton *Beginning to use Desmos in the classroom*

1705-1800	Open meeting Teaching Committee in Auditorium: *Challenges and Opportunities in UK Maths Education*
1830-1930	**President's Reception in the Picture Gallery (with optional tour)**
1930-2045	Dinner in Founders Dining Room
Dining Hall Bar	**Saturday night special with Ben Sparks and David Acheson:** *A mixture of maths and live music, in which David and Ben will attempt to explore their common denominators*

Sunday 9 April		Prim 1	Sec1/Prim2	Sec 2	Sec 3/Post 16 A	Post 16 B : FM Strand 1	Post 16 C: FM Strand 2	All	General	T&L with ICT
President's Address	0900-1010	Jennie Golding *Is it mathematics or is it school mathematics?*								
Session 5	1015-1125	Jennie Pennant *Every lesson a PS lesson*	Lucy Rycroft-Smith *Using board games in the classroom 7-16*	Nicola Bretscher Practical Approaches *Developing reasoning in geometry*	Tabitha Gould Lizzie Kimber *Underground Maths*	Keith Profitt *Combinatorics: a new pure topic in FM*	Stella Dudzic: *Statistics in Further Maths*	Ems Lord *Wildmaths Welcome to the wild side!*	Gerry Leversha *One problem, many solutions*	Mick Blaylock *Spreadsheets in action with students 15-18*
Break	1125-1145	**P u b l i s h e r s E x h i b i t i o n** and Refreshments								
Session 6	1145-1255	Katie Crozier *Numberlink Boards*	Julia Brown *Primary Maths Challenge at transition (Prim/Sec)*	Sue Childs *Student journals to support deep conceptual understanding*	Julia Smith *Recharge and motivate: ideas for GCSE resits (or others challenged by GCSE)*	Keith Profitt: *Modelling with algorithms: the second half*	Richard Lissaman: *Ideas for teaching matrices, transformations and vectors in FM*	Darren Macey, Lucy Rycroft-Smith *The n camel stack problem*	Chris Sangwin *The pendulum, plain and puzzling*	Douglas Butler *Autograph for 16-19 mathematics*
Lunch	1255-1340	**P u b l i s h e r s E x h i b i t i o n**								
Session 7	1340-1450	Primary sub-committee *Number Sense*	Rachael Horsman *Ideas for developing geometric thinking*	Stephen Kean *Making the most of handheld technology*	Mick Blaylock *Perspectives on post-16 provision for 2017*	Stella Dudzic: *Mechanics: a close look at two topics*	Richard Lissaman: *Sets, logic and Boolean algebra: a new topic in Pure FM*	Tom Roper: *Taxi cab geometry*	Joyce Brown: *The mathematics of bell ringing*	Mark Dawes *Further Geogebra*
Closing Plenary	1500-1610	**Rob Eastaway** *Solving outside the box: creativity in problem solving*							Keith Profitt: *Your school's FM offer: decisions*	Richard Lissaman: *Using technology to investigate DEs*
End	1610-1630	**Closing refreshments**								
16.15		**Open meeting Branches**								

This planned programme is communicated in good faith but some aspects of it are outside the control of The Mathematical Association, so we reserve the right to change it.