

# Further Mathematics Support Programme



## East of England Year 10 Team Mathematics Competition 2012

This is team competition for students in Year 10 testing mathematical, communication and teamwork skills. Heats will be hosted throughout the East of England in February and March followed by a final in May hosted by the University of Cambridge.

### Entry requirements:

- An [online entry form](#) must be submitted. The fee is £25 per team and this should be paid by cheque in advance. Please make cheques payable to 'University of Cambridge', cheques to any other payee cannot be accepted. Please ensure that the cheque is sent with a clear indication about who the payment is from and that it is for the Year 10 Team Mathematics Competition 2012. Please send payments to Margaret Bull, Centre for Mathematical Sciences, Wilberforce Road, Cambridge, CB3 0WA.
- Each team must consist of four Year 10 students preferably of mixed gender (2 boys, 2 girls).
- It is essential that a teacher accompanies their team and actively participates in the event by supervising a team and marking each round. Please note that initially places at heats are limited to one team per school however if heats do not fill we will offer schools the possibility of entering a second team for the competition. An additional entry fee, £25, would be required for the second team but please do not send payment for a second team until the place is offered. Please also note that an additional teacher would need to accompany the second team.
- A form, signed by the teacher, needs to be submitted at the start of the competition giving permission for photographs to be taken.
- There is no requirement for students to attend the competition in their school uniform. However, this decision is left to the discretion of the school.
- Schools who enter a team need to be registered (updated since June 2011) with the Further Mathematics Support Programme. Registration is FREE and can be done online by visiting: <http://www.furthermaths.org.uk/Eregister.php>

### Competition content and details:

- The challenge involves each team working together at a table on a set of problems.
- All questions will be team questions.
- Questions will include recreational mathematics as well as some questions of a more traditional nature.
- There will be five rounds in the competition and the winning team will have the highest total score.
- One round of the competition (heats and final) will ask questions on Distance and position on the Earth. More information about this round will be sent to participating schools several weeks prior to their heat. Teams must prepare for this round in advance.
- Calculators and equipment (e.g. rulers, protractors etc) are not permitted.
- For a sample competition materials used in a past year, click [here](#) for questions and click [here](#) for the solutions.

### Competition heat venues:

- There are eleven heats hosted by schools and colleges across the East of England. For details, enquiries and booking arrangements, please visit [http://www.furthermaths.org.uk/centre/index.php?centre=eastofengland&view\\_info=true#Y10MTC](http://www.furthermaths.org.uk/centre/index.php?centre=eastofengland&view_info=true#Y10MTC)
- Tea and coffee will be available for teachers, however refreshments will not be provided for students and teams will need to bring along their own drinks and snacks.
- Please arrive in good time as each heat of the competition will start promptly 15 mins. after the published arrival time. Please note the competition is expected last for approximately 2 hours 30 mins.
- Parking details specific to your chosen venue will be provided when an online booking is received.

### Competition final event:

The top scoring teams will be invited to take part in a final competition hosted on Thursday 10th May at the Centre for Mathematical Sciences, University of Cambridge. The final competition will start at 4pm, but before that, there will be an enrichment talk at 2.45pm held in the main lecture theatre. Invitations to the final event will be sent out before the end of March.

If you have any other queries regarding the Year 10 Team Mathematics Competition, please contact Margaret Bull at [furthermaths@maths.cam.ac.uk](mailto:furthermaths@maths.cam.ac.uk).