

# Take Maths Further! Year 10 Enrichment Day



University of Bedfordshire, Polhill Ave, Bedford MK41 9TD  
Thursday 5<sup>th</sup> July 2018, 9:45 am – 3:45 pm

The Further Mathematics Support Programme invites you to a day of stimulating mathematical talks and activities designed to help students see the usefulness and fun of maths beyond the curriculum. The event is aimed at high achieving Year 10 mathematicians who may go on to study maths and further maths at A Level, especially those that may need a little encouragement to do so. Schools may bring up to 16 students and accompanying teacher(s) **free of charge**.

09:45 - 10:15	Arrival and registration
10:15 - 11:00	Opening talk: <b>Kristin Coldwell</b>
11:00 - 11:15	Break
11:15 - 12:15	Workshop Session 1
12:15 - 13:15	Workshop Session 2
13:15 - 14:00	Lunch break - students to bring packed lunch
14:00 - 15:00	Workshop Session 3
15:00 - 15:45	Closing talk: <b>Dr Emily Grossman</b>



### Lies, Damned Lies and Newspapers – Dr Emily Grossman

Emily is an internationally acclaimed science writer, public speaker and TV personality. An expert in molecular biology and genetics, with a Double First in Natural Sciences from Queens' College Cambridge and a PhD in cancer research, Emily also trained and worked as an actress and now combines her skills as a science broadcaster, educator and writer. She will end the day with an interactive and amusing talk on the use and abuse of statistics in the media. Emily will take a light-hearted look at the issues involved and discuss some common errors to look out for - illustrated with examples of "embarrassing moments" where she's been caught out in her own career as a TV science broadcaster.



### Matthew Scroggs – Recreational Maths: Braiding

"A few years ago, I came across a method of braiding 7 strands of wool using a cardboard octagon. I wasn't happy just making pretty bracelets and started looking to generalise the method to make braids with different numbers of strands. In this session, we will be making 7 strand braids and looking for other braids that work. I will prove to you that some numbers don't work and leave you with some unsolved questions about the braids."

Matthew is a PhD student at UCL studying finite element methods and boundary element methods. When not working, he writes puzzles and articles for Chalkdust Magazine, including the infamous £100 cross-number, and reads Martin Gardner books.

Throughout the day, students will also be supported by students and staff of the University of Bedfordshire

To book places please use <https://year10fmsp.eventbrite.co.uk>

If you have any queries about the day, please contact Kristin Coldwell:

[kristincoldwell@furthermaths.org.uk](mailto:kristincoldwell@furthermaths.org.uk)



The Further Mathematics Support Programme is

[www.furthermaths.org.uk](http://www.furthermaths.org.uk)

