

# Mathematics is your future!

## One-day conference for able Mathematics students

**Friday, 24 June (Year 10) or Friday, 23 September (Year 11) 2011  
at the University of Exeter**

The Further Mathematics Support Programme – South-West is pleased to announce one-day conferences for able Mathematics students from schools in **Devon** and **Torbay**. You are invited to bring students to *either* the June day (Year 10) *or* the September day (Year 11). The content of each day will be roughly the same.

The emphasis will be that mathematics can be both fun and challenging, and its study in the sixth form a gateway to exciting university courses and a variety of careers.

Students will have two short talks together, in a lecture theatre, on topics like:

- **Why study Further Mathematics?**
- **Careers in Mathematics**

This year we are delighted that **Colin Wright**, the internationally known speaker, will give a most entertaining and fascinating talk on **Mathematics and Juggling**.

There will also be a series of **workshops on fun and challenging mathematics topics**, where students will be in small groups. They will visit three workshops on a 'mathematical circus' basis. You will find a draft programme for the day on the next page.

We also plan to hold a '**Mathematics Quiz**' competition during the day.

**We do hope that you will be able to bring a group of 'around 15 students' who are fairly confident that they will be taking A Level Mathematics, and might even be wondering what Further Mathematics is about, with a view to taking it at AS or A Level in the 6<sup>th</sup> Form. The day is intended to appeal to your brightest mathematicians in Year 10 (June) or Year 11 (September).**

There will be no cost for the day, and further details will be sent out 3 weeks prior to each conference, so you can make arrangements for transport, leave of absence, parental consent, etc. and send in a registration form, which will include names of staff/students expected to attend.

This year we have just 150 places for each of the two days. These will be allocated on a first-come, first-served basis, so early booking is advised.

Please return the completed application form, by post or as an email attachment, to

**Bob Francis**

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Telephone: 01626 207412 Email: bobfrancis@furthermaths.org.uk

For the latest information click on [www.furthermaths.org.uk](http://www.furthermaths.org.uk) and head for **South-West!**

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### Draft Timetable for the Day's Activities

- All students will attend the **Mathematics and Juggling** Lecture.
- Workshops will cover areas such as the FunMaths Roadshow, Are YOU sure? (proof), Gritting and other problems (networks), Modelling in mechanics, etc.
- Students will attend 3 of the 4 workshops, depending on which group they are in, according to the draft timetable below.
- Maximum number of students: 150; split into 4 groups of 35 to 40.
- **Students should bring a packed lunch.**
- All teaching staff and presenters are invited to a buffet lunch, provided by the *Further Mathematics Support Programme – South-West*.

<b>Time</b>	<b>Activity</b>	<b>Group A</b>	<b>Group B</b>	<b>Group C</b>	<b>Group D</b>
10:00 to 10:30	Registration	Foyer, Harrison Building			
10:30 to 10:50	Opening Session	Lecture Theatre 4, Harrison Building			
10:50 to 10:55	Break				
10:55 to 11:35	Workshop 1	1	2	3	4
11:35 to 11:40	Break				
11:40 to 12:20	Workshop 2	2	3	4	1
12:20 to 13:10	Lunch	Buffet lunch for teachers Packed lunches for students			
13:10 to 13:50	Workshop 3	3	4	1	2
13:50 to 13:55	Break				
13:55 to 14:55	'Maths and Juggling' Lecture	Lecture Theatre 4, Harrison Building			
14:55 to 15:15	Closing Session	Lecture Theatre 4, Harrison Building			
15:15	Close				