

The Further Mathematics Support Programme

# Year 10 Enrichment Day

Hertfordshire Event for Year 10 Students

University of Hertfordshire, College Road, Hatfield AL10 9AB

Fri 12<sup>th</sup> Jan 2018 9:20am – 2:50pm

**A day of mathematical activities with the opportunity for students to meet enthusiasts of their own age and older.**



**Interactive workshops:**

**Mathematical Proof**

– Kevin Lord

**Making Mathematical Braids**

– Matthew Scroggs

**Practical Team Competition**

– Val Pritchard

**Lecture:**

**Juggling and mathematics**

– Colin Wright

The Further Mathematics Support Programme is pleased to announce an enrichment event for year 10 mathematics students from government funded schools.

The emphasis of the day will be that mathematics can be both fun and challenging.

We hope that you will be able to bring a group of up to 16 students who would benefit from the challenge of this event. Students should wear uniform and should be expect to work with students from other schools in mixed teams.

All attending students must be accompanied by a member of staff from their school who will be responsible for the students throughout the day.

## **Event aims:**

- To provide students with presentations and activities that stimulate mathematical thinking.
- To allow students to work with mathematicians from other schools.

**In the morning the group will be split into three subgroups and everybody will engage in three forty-five minute interactive maths workshops. (For the team practical students will be working with students from other schools and they will need to have a pencil, ruler and calculator.)**

## Programme

09.20 Arrival, registration and puzzle sheet

09.40 Welcome and introduction – Kevin Lord

09.55 Introduction to the practical task – Val Pritchard

10:05 Workshop 1

10:50 Break

11.10 Workshop 2

12:00 Workshop 3

12:45 Lunch break (including competition deadline at 13:15)

Please bring a packed lunch. (Buffet lunch provided for staff.)

13:30 Follow-up to the competitions

13:40 Number patterns and juggling - Colin Wright

14:40 Summing up and prizes

14:50 Close

### Workshops:

Kevin Lord: Mathematical Proof

Matthew Scroggs: Mathematical braiding

Val Pritchard: Practical task

**Venue:** Lindop Building, University of Hertfordshire, College Road, Hatfield, Herts. AL10 9AB:

**Parking:** A parking permit will be required, please indicate requirements on the google form.

**Lunch:** Students should bring their own packed lunch and drinks.

Buffet lunch provided for teachers and presenters

**Further information from:** Val Pritchard (email: [valpritchard@furthermaths.org.uk](mailto:valpritchard@furthermaths.org.uk))

### Course / event fees and application:

The event is subsidised to ensure that state schools can participate free of charge.

Schools will be requested to give the name and email address of the senior teacher who has authorised the trip. Places are limited to a maximum of 16 per school. To book places please complete the google form on the link below and applicants will receive an email to indicate that sufficient places are available. An email will be sent to the senior teacher so that they can confirm that cover has been arranged and places can then be formally confirmed.

**Booking form:** <https://goo.gl/forms/Qfg96lfnXD4EkuD2>