

The Further Mathematics Support Programme

Applications of Mathematics

Free mathematics enrichment for Year 10 and Year 11 pupils

University of Northampton (Park Campus)

24th January, 2018



This **free** event is suitable for Year 10 and Year 11 pupils who are interested in finding out about unexpected and stimulating ways in which mathematics can be applied.

Pupils will attend four workshops, each led by engaging mathematicians and each introducing diverse and fascinating mathematical applications.

There will be a small competition with **prizes!**

Prof Chris Budd (University of Bath): 'Can We Tell the Future?'

Phil Chaffé (FMSP): 'Hawks and Doves: Adventures in Evolution'

Dr Richard Lissaman (University of Warwick): 'From Google to Gaming'

The Operational Research Society: 'Playing Snakes and Ladders – Climbing the Career Ladder'

Year 10 and 11 pupils,

- if you are interested in finding out how to turn your interest in maths into a career,
- if you want to understand the radical unpredictability of everyday things such as the weather,
- if you want to see how game theory can shed light on to the evolution of animal behaviour,
- if you are curious about the way maths underpins Google or computer games,
- if you want to experience the atmosphere at a university,

then this event is for you.

Important notices

- Places are limited to 100 students in total, so book early to avoid disappointment.
- To allow as many schools as possible to participate we are limiting places to 20 pupils per school.
- For the event to run, a member of staff from each school should be present to help with supervision (and to join in the fun).
- Each school will be responsible for transport to and from the event and with communication with parents.
- Photographs may be taken to use in our newsletters, and schools should inform parents of this.
- Students will need to bring a packed lunch but we will provide a buffet lunch or sandwiches to staff.
- Pupils will be split into four groups on arrival at the venue so that everyone can attend each of the presentations/workshops.

Timetable for the day or course dates:

09:30	Registration
10:00	Workshop 1
11:15	Workshop 2
12:30	Lunch
13:00	Workshop 3
14:15	Workshop 4
15:30	Awarding prizes and departure by 15:45

Venue: University of Northampton (Park Campus), NN2 7AL

To book online please go to <https://goo.gl/forms/XkojIzmHsesqY1hj2>.

Further information

More details about this event can be obtained by emailing Chris Luke (Chris.Luke@northampton.ac.uk), the FMSP Area Coordinator for Northamptonshire.