

Maths For Future Leaders - Course Details



Meet one-to-one



What is possible?



What is likely?



Speak Maths



Answer big questions



Take new skills into real-life

Pre-Course

- get to know your mentor so we can tailor the course to you
- answer your questions at a location of your choice

Day 1: What is possible?

9:00 introductions to each other and the course

9:30 the back of the envelope

how much cash is there in bloomsbury?

how many people in the world have a headache?

learn methods for estimating these kinds of numbers

11:00 walk

11:15 problem structuring

how do we maximize our charity's donations?

which kind of drug should our company develop?

turn these questions into maths so you can answer them

12:15 lunch break

12:30 what is possible? use these skills to answer your own questions

13:30 finish

Day 2: What is likely?

9:00 problem structuring recap

9:30 what are the odds?

how likely is a plane crash?

what are the chances of two people bumping into each other?

11:00 walk

11.15 using probability

do we need air-traffic control everywhere?

is the defendant's alibi plausible?

12.15 lunch break

12.30 what is likely? Use your tools to make big decisions

13:30 finish

Day 3: Speak Maths

9:00 what is likely recap

9:30 stress-test your approach

put yourself in your audience's shoes - will they understand you?

11:00 walk

11.15 sell your ideas - use maths to convince people

use diagrams, turn maths back into words, speak with confidence

12:15 lunch

12:30 maths to be proud of

take your favourite work from a previous day

sell us your answer to this question

13:30 finish

Day 4: Answer Big Questions

9:00 speak maths recap

9.30 Big Questions

Discuss our favourite Big questions and generate new ones

Help each other take the first steps in answering them

10.00 Use your skills!

Use what you've learned to get as far as you can on your big questions.

11.00 Walk and brunch in the garden

11.45 Feedback. Present a 3-minute thesis and get feedback

12.15 Revise your answers

12.45 Convince people of your answer to a big question. The best will be published on usefulmaths.com

13:30 Prize-giving

14:00 Finish

The world is changing. Exams are getting harder to 'hack'. Universities and employers are looking past grades and credentials. Successful students of the future will have the appetite to take on tough problems, the ability to think clearly, and fluency in maths.