

The Further Mathematics Support Programme

# Introduction to Discrete Mathematics

**Course Tutors: James Morris, Sinéad Vaughan & Jeff Trim**  
**FMSP Area Coordinators/Central Team**

**The Tomlinson Centre, E8 3ND.**

**09:30 – 16:00 Friday November 10<sup>th</sup> 2017**



Feedback from previous courses:

“Superb. I feel empowered.”

“Has been a great experience; very beneficial.”

“The resources and having a go at questions was particularly helpful”

“I really appreciated the discussion around potential student pitfalls”

**This course is an introduction to Discrete Mathematics and no prior knowledge is required beyond GCSE.**

[The title Discrete Mathematics, Decision Mathematics and Modelling with Algorithms are now being used by different Further Mathematics awarding organisations for Further Mathematics components containing similar material.]

## **Is this course for you?**

This course assumes no prior knowledge of decision/discrete mathematics, and is ideal for you if you are teaching it for the first time or looking to teach it in the future.

This course is suitable for the new (2017) Further Mathematics specifications, and those teaching D1 under the legacy (old) specifications.

This course may also be suitable for you if you haven't seen the material for years and would like a refresh. In Spring 2018 we are hoping to run a similar course for the material common to the A Level content.

### Course aims:

- To cover common key ideas from the AS specifications.
- To introduce teachers to teaching ideas and resources to support decision/discrete mathematic.
- To provide hints for preparing students for decision/discrete mathematics exams

### Provisional timetable for the day or course dates:

09:30	Registration and refreshments
10:00	Graph Theory & Algorithms on Networks
11:30	Break & Refreshments
11:40	Linear Programming
13:20	Lunch (provided)
14:20	Critical Path Analysis
15:30	Evaluations
15:45	Close

**Venue:** The Tomlinson Centre, E8 3ND.

Easy to access, the Tomlinson Centre is a 5 – 10 minute walk from Haggerston Overground Station. Do not be out off by the Overground! Haggerston is easy to access being only 6 minutes from Highbury & Islington Station (Victoria Line), and 7 minutes from Whitechapel Station (District and Hammersmith & City Lines).

### Course/event fees and application:

Fees for this course are £50 per teacher (£100 if your school/college is not registered with the FMSP). Registration is quick, easy and free at [www.furthermaths.org.uk/register](http://www.furthermaths.org.uk/register).

The booking form gives you the opportunity to express interest. Please complete this if you would like to attend, but need to seek permission from school first. We will do our best to save you a place! To book a place or express interest please complete the form at <https://goo.gl/forms/bRaOWbmeBsvctEUA3>.

### Further information

If you have any questions about this event, please email James Morris on [jamesmorris@furthermaths.org.uk](mailto:jamesmorris@furthermaths.org.uk).

Information about all our CPD can be found at <http://www.furthermaths.org.uk/cpd>.