



Advanced Mathematics  
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Continuing Professional  
Development  
Standard

National Centre  
for Excellence in the  
Teaching of Mathematics



# Topics from Reasoning and Proof and Functions and Graphs for GCSE Maths

## Hull

24th June 2019

### Overview

The day will be split into two half day sessions so that teachers can choose to attend either or both of these.

The morning will cover Reasoning and Proof and the afternoon will cover Functions and Graphs

Lunch will be provided for all who require it.

The sessions will help teachers consider how best to prepare pupils for the new Higher Tier GCSE questions relating to Reasoning and proof and Functions and Graphs. There will be time for teachers to familiarise themselves with a range of free resources and develop strategies to teach this content

### Who will benefit from attending?

KS4 teachers who did not attend our one day courses on Reasoning and Proof and Functions and Graphs who wish to 'brush up' on their teaching of these topics

## Content

9:30 What is proof? What can we expect at GCSE?

10:40 Break

11:00 Geometric Proof

11:30 Proof within number/algebra

12:15 Lunch

1:00 Functions and Graphs; maths activity exploring different types of graphs

2:00 Trigonometric Graphs, Transformations and Tangents

3:00 Break

3:15 Functions/Real life graphs/Exponential's/GPs (TBC)

3:45 Close

## Other Information

Free classwiz calculator and guide

## Cost

Free event

## Key Facts

<b>Event ref:</b>	#5788
<b>Audience:</b>	Teachers
<b>Curriculum focus:</b>	11-16 maths
<b>Event format:</b>	Face-to-face Professional Development
<b>Event length:</b>	6 hours
<b>Region:</b>	Yorkshire and the Humber
<b>Venue:</b>	The Freedom Centre, Preston road, Hull, HU9 3QB
<b>Date:</b>	Mon 24th Jun 2019
<b>Course times:</b>	09:30 - 15:45
<b>Fee:</b>	Free for all schools

## Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/5788>