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Teaching of Mathematics



# Discover Trigonometry for New Teachers of GCSE

## Manchester

5th February 2020

### Overview

GCSE Mathematics is more demanding than ever, with new Higher Tier content supporting a national drive to increase the number of students studying maths post-16.

This day follows the development of trigonometry from Key Stage 3 to A level Mathematics, considering a range of ideas whilst also reflecting on the teaching and consider the 'big picture' of each topic within the wider curriculum. It forms part of our *Discover Maths for New Teachers of GCSE* suite of courses, aimed at supporting teachers' own understanding of key Higher Tier topics, so that they can confidently lead their students through GCSE into studying post-16 maths.

### Aims

- Enhance subject knowledge at Key Stage 3 and explore how this topic is expanded upon for KS5 maths qualifications.
- Preparation for using classroom resources and powerful visual representations with students.

### Who will benefit from attending?

GCSE Mathematics teachers who want to increase their confidence with teaching trigonometry for Higher Tier GCSE.

### Content

- Trigonometry in right angle triangles
- Exact trigonometric values
- Trigonometry beyond  $90^\circ$  and trigonometric functions
- Transformations of trigonometric graphs
- Solving trigonometric equations

## Cost

Discover *Trigonometry for New Teachers of GCSE* is free to state-funded schools and colleges.

Schools and colleges located within [Priority Areas](#) are eligible to receive a subsidy of £250 to support staff cover and travel costs.

## Participant feedback

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*Lots of ideas that I'm looking forward to sharing with students and teachers.*

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*...helped me feel not so overwhelmed about teaching.*

## Key Facts

<b>Event ref:</b>	#6449
<b>Audience:</b>	Teachers
<b>Curriculum focus:</b>	11-16 maths
<b>Event format:</b>	Face-to-face Professional Development
<b>Event length:</b>	1 day
<b>Region:</b>	North West
<b>Venue:</b>	Manchester Meeting Place, The University of Manchester, Sackville Street Campus, Manchester, M1 3BB
<b>Date:</b>	Wed 5th Feb 2020
<b>Course times:</b>	09:30 - 16:15
<b>Fee:</b>	Free
<b>Priority Area subsidy:</b>	£250

## Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/6449>