



Advanced Mathematics
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Standard

National Centre
for Excellence in the
Teaching of Mathematics



Discover Trigonometry for New Teachers of GCSE

Durham

3rd March 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° 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

Event ref:	#6510
Audience:	Teachers
Curriculum focus:	11-16 maths
Event format:	Face-to-face Professional Development
Event length:	1 day
Region:	North East
Venue:	Durham Sixth Form College, Providence Row, The Sands, Durham City, County Durham, DH1 1SG
Date:	Tue 3rd Mar 2020
Course times:	09:30 - 15:30
Fee:	Free
Priority Area subsidy:	£250

Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/6510>