



Advanced Mathematics
Support Programme®

Continuing Professional
Development
Standard

National Centre
for Excellence in the
Teaching of Mathematics



Discover Quadratics for New Teachers of GCSE

Loughborough

16th January 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 quadratics 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 quadratics for Higher Tier GCSE.

Content

- Representing quadratics
- Factorising and expanding quadratic expressions
- Completing the square
- Solving quadratic equations
- Reasoning with quadratic graphs

Cost

Discover Quadratics 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:	#6685
Audience:	Teachers
Curriculum focus:	11-16 maths
Event format:	Face-to-face Professional Development
Event length:	1 day
Region:	East Midlands
Venue:	Loughborough University, Schofield Building, Room 0.13, Epinal Way, Loughborough, LE11 3TU
Date:	Thu 16th Jan 2020
Course times:	09:00 - 15:00
Fee:	Free
Priority Area subsidy:	£250

Registration

For more information, or to register for this event, please visit <https://amsp.org.uk/events/details/6685>