

Support for secondary maths departments and teachers

From the NCETM and Maths Hubs

Department or individual, HoD or classroom teacher, experienced or Early Career Teachers – we have professional development and classroom resources for you.

What is your departmental development need?	What professional development opportunities are available? (local face-to-face and online collaboration with other teachers and experts)	Who is this professional development suitable for?	What supporting resources are available? (freely available high quality materials from the NCETM)
<p>Focusing on the transition from primary to secondary</p>	<p>Years 5-8 Continuity Work Groups focusing on an effective primary-to-secondary transition</p>	<p>Classroom teachers from primary and secondary schools who teach KS2 and KS3, including secondary heads of department</p>	<p>Checkpoints diagnostic classroom activities for KS3 students and professional development activities for their teachers</p> <p>Multiplicative Reasoning tools and resources to develop multiplicative reasoning skills in KS3 students</p>
<p>Developing teaching for mastery</p> <p>Focusing on post-16</p>	<p>Secondary Teaching for Mastery Development Work Groups for departments developing teaching for mastery collaboratively</p> <p>Secondary Mastery Specialists for teachers looking to become experts in teaching for mastery</p> <p>Post-16 GCSE and FSQ Mastery Specialists for teachers looking to become experts in teaching for mastery</p> <p>Developing A Level Pedagogy Work Groups <i>(In conjunction with the AMSP)</i> for teachers wanting to develop their A level Maths teaching.</p> <p>Developing Core Maths Pedagogy Work Groups <i>(In conjunction with the AMSP)</i> for teachers wanting to develop their Core Maths teaching</p> <p>Specialist Knowledge for Teaching Mathematics: Core Maths Teachers <i>(In conjunction with the AMSP)</i> for those who are new to teaching the qualification</p> <p>Supporting Low Attainers to Achieve a L2 Qualification in mathematics for teachers whose students will study Level 2 maths across secondary and post-16</p>	<p>Two teachers from a secondary maths department (one with some curriculum responsibility and one other maths teacher)</p> <p>Classroom teachers, with more than two years' experience of teaching maths, who will be able to lead professional development with others</p> <p>For practitioners of post-16 GCSE Maths resit and/or Functional Skills Maths. Participants must have at least two years' experience teaching post-16</p> <p>Anyone who teaches A level Maths in a secondary school or post-16 college</p> <p>Anyone who teaches Core Maths in a secondary school or post-16 college</p> <p>Anyone who is new to teaching Core Maths</p> <p>For teachers of GCSE Maths, and for those teaching GCSE Maths resit and/or Functional Skills Maths</p>	<p>Secondary Mastery Professional Development Materials CPD resources covering six mathematical themes for KS3</p> <p>KS3 Key Ideas 52 PowerPoints containing activities based on the PD Materials</p> <p>Visit the NCETM's post-16 webpage for features, podcasts and other resources</p>
<p>Developing an element of teaching for mastery or an aspect of pedagogy</p> <p>Developing leadership</p>	<p>Secondary Sustaining Teaching for Mastery Work Groups bespoke, collaborative CPD which responds to identified need, and involves working with around six other schools locally to reflect upon and refine mastery approaches</p> <p>Secondary Maths Subject Leaders Community to develop and support secondary heads of maths</p> <p>Secondary MAT Maths Leaders Community to support and develop those leading maths across multiple schools</p> <p>PD Lead Programme for those looking to become an accredited PD Lead</p>	<p>Classroom teachers of KS3 and KS4, including teachers of GCSE Maths and heads of department who have already taken part in a Development Work Group</p> <p>Secondary heads of maths</p> <p>Anyone who leads maths across multiple secondary schools within a multi-academy trust</p> <p>Teachers of maths who have existing commitments and responsibility for designing, leading and evaluating maths teacher professional development</p>	<p>Departmental Workshops hour-long ready-to-use collaborative sessions for maths departments</p> <p>Mathematical Prompts for Deeper Thinking videos and PowerPoint slides for teachers to work together to explore students' mathematical thinking at KS3</p> <p>Improving maths in multi-academy trusts by engaging with Maths Hubs a feature article exploring the success of two MATs</p>
<p>Supporting an Early Career Teacher (ECT) or non-specialist</p>	<p>Specialist Knowledge for Teaching Mathematics – Secondary Early Career Teachers for secondary maths teachers in their first two years of teaching</p> <p>Specialist Knowledge for Teaching Mathematics - Secondary Non-specialist Teachers for those teaching secondary maths outside their usual subject area</p>	<p>Secondary maths teachers in their first two years of teaching (Early Career Teachers)</p> <p>Anyone teaching maths outside their usual subject area</p>	<p>Insights from experienced teachers videos of teachers exploring the mastery materials in depth</p> <p>Planning to Teach videos videos and resources covering 12 KS3 maths topics</p>
<p>Supporting a teaching assistant</p>	<p>Specialist Knowledge for Teaching Mathematics - Secondary Teaching Assistants for secondary teaching assistants in the maths classroom</p>	<p>Any TA supporting maths</p>	