

Support for secondary maths teachers

From the NCETM and Maths Hubs

Department or individual, HoD or classroom teacher, experienced or early career teacher – 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>Checkpoints online professional development sessions online seminars to support teachers of Year 7 using the Checkpoints resources</p> <p>Years 5-8 Continuity Work Groups focusing on an effective primary-to-secondary transition</p>	<p>Anyone who teaches Year 7 maths including heads of department (HoDs)</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 Year 7 students</p> <p>Multiplicative Reasoning tools and resources to develop multiplicative reasoning skills in KS3 students</p>
<p>Developing teaching for mastery</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>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>Secondary Mastery Professional Development Materials CPD resources covering six mathematical themes for KS3</p>
<p>Developing an area of the curriculum</p>	<p>Years 7-11 Coherence Work Groups exploring approaches to key topics in KS3 and KS4</p>	<p>Classroom teachers of KS3 and KS4, including experienced teachers and NQTs</p>	<p>Departmental Workshops hour-long ready-to-use collaborative sessions for maths departments</p>
<p>Focusing on GCSE</p>	<p>Mathematical Thinking for GCSE Work Groups finding ways to help GCSE students improve their mathematical thinking</p>	<p>Classroom teachers of GCSE Maths, including experienced teachers and NQTs</p>	
<p>Focusing on post-16</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>Supporting Post-16 GCSE Resit Work Groups for teachers wanting ways to explore key content with resit students</p> <p>New to Teaching Core Maths Work Groups <i>(In conjunction with the AMSP)</i> for those who are new to teaching the qualification</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 teaches GCSE resit in a secondary school or post-16 college</p> <p>Anyone who is new to teaching Core Maths</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>Years 7-11 Coherence Work Groups exploring approaches to key topics in KS3 and KS4</p> <p>Mathematical Thinking for GCSE Work Groups finding ways to help GCSE students improve their mathematical thinking</p>	<p>Classroom teachers of KS3 and KS4, including experienced teachers and NQTs</p> <p>Classroom teachers of GCSE Maths, including experienced teachers and NQTs</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>Developing leadership</p>	<p>Secondary Subject Leadership Work Groups to develop and support secondary heads of maths</p> <p>Secondary Maths MAT Leads to support and develop those leading maths across multiple schools</p> <p>PD Lead Development and Accreditation Programme for those looking to become an accredited PD Lead</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>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)</p>	<p>Specialist Knowledge for Teaching Mathematics – Secondary Early Career Teachers for secondary maths teachers in their first two years of teaching</p>	<p>Secondary maths teachers in their first two years of teaching (Early Career Teachers)</p>	<p>Planning to Teach videos videos and resources covering 12 KS3 maths topics</p>
<p>Developing subject knowledge</p>	<p>Specialist Knowledge for Teaching Mathematics – Secondary (Non-specialists) for those teaching secondary maths outside their usual subject area</p> <p>New to Teaching Core Maths Work Groups <i>(In conjunction with the AMSP)</i> for those who are new to teaching the qualification</p>	<p>Anyone teaching secondary maths who did not undertake their initial teacher training in maths</p> <p>Anyone who is new to teaching Core Maths</p>	<p>Planning to Teach videos videos and resources covering 12 KS3 maths topics</p>