

# 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><b>Focusing on the transition from primary to secondary</b></p>	<p><a href="#">Years 5-8 Continuity Work Groups</a> 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><a href="#">Checkpoints</a> diagnostic classroom activities for KS3 students and professional development activities for their teachers</p> <p><a href="#">Multiplicative Reasoning</a> tools and resources to develop multiplicative reasoning skills in KS3 students</p>
<p><b>Developing teaching for mastery</b></p>	<p><a href="#">Secondary Teaching for Mastery Development Work Groups</a> for departments developing teaching for mastery collaboratively</p> <p><a href="#">Secondary Mastery Specialists</a> 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><a href="#">Secondary Mastery Professional Development Materials</a> CPD resources covering six mathematical themes for KS3</p>
<p><b>Developing an area of the curriculum</b></p>	<p><a href="#">Years 7-11 Coherence Work Groups</a> exploring approaches to key topics in KS3 and KS4</p>	<p>Classroom teachers of KS3 and KS4, including experienced teachers and EQTs</p>	<p><a href="#">Departmental Workshops</a> hour-long ready-to-use collaborative sessions for maths departments</p>
<p><b>Focusing on GCSE</b></p>	<p><a href="#">Mathematical Thinking for GCSE Work Groups</a> finding ways to help GCSE students improve their mathematical thinking</p>	<p>Classroom teachers of GCSE Maths, including experienced teachers and EQTs</p>	
<p><b>Focusing on post-16</b></p>	<p><a href="#">Developing A Level Pedagogy Work Groups</a> <i>(In conjunction with the AMSP)</i> for teachers wanting to develop their A level Maths teaching.</p> <p><a href="#">Developing Core Maths Pedagogy Work Groups</a> <i>(In conjunction with the AMSP)</i> for teachers wanting to develop their Core Maths teaching</p> <p><a href="#">Supporting Post-16 GCSE Resit Work Groups</a> for teachers wanting ways to explore key content with resit students</p> <p><a href="#">New to Teaching Core Maths</a> <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 <a href="#">NCETM's post-16 webpage</a> for features, podcasts and other resources</p>
<p><b>Developing an element of teaching for mastery or an aspect of pedagogy</b></p>	<p><a href="#">Years 7-11 Coherence Work Groups</a> exploring approaches to key topics in KS3 and KS4</p> <p><a href="#">Mathematical Thinking for GCSE Work Groups</a> finding ways to help GCSE students improve their mathematical thinking</p>	<p>Classroom teachers of KS3 and KS4, including experienced teachers and EQTs</p> <p>Classroom teachers of GCSE Maths, including experienced teachers and EQTs</p>	<p><a href="#">Departmental Workshops</a> hour-long ready-to-use collaborative sessions for maths departments</p> <p><a href="#">Mathematical Prompts for Deeper Thinking</a> videos and PowerPoint slides for teachers to work together to explore students' mathematical thinking at KS3</p>
<p><b>Developing leadership</b></p>	<p><a href="#">Secondary Subject Leadership Work Groups</a> to develop and support secondary heads of maths</p> <p><a href="#">Secondary Maths MAT Leads</a> to support and develop those leading maths across multiple schools</p> <p><a href="#">PD Lead Programme</a> 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><a href="#">Improving maths in multi-academy trusts by engaging with Maths Hubs</a> a feature article exploring the success of two MATs</p>
<p><b>Supporting an Early Career Teacher (ECT)</b></p>	<p><a href="#">Specialist Knowledge for Teaching Mathematics – Secondary Early Career Teachers</a> for secondary maths teachers in their first two years of teaching</p> <p><a href="#">Specialist Knowledge for Teaching Mathematics - Secondary Non-specialist Teachers</a> for those teaching secondary maths outside their usual subject area</p> <p><a href="#">New to Teaching Core Maths</a> <i>(In conjunction with the AMSP)</i> for those who are new to teaching the qualification</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>Anyone who is new to teaching Core Maths</p>	<p><a href="#">Planning to Teach videos</a> videos and resources covering 12 KS3 maths topics</p> <p><a href="#">Planning to Teach videos</a> videos and resources covering 12 KS3 maths topics</p>