

BBO MATHS HUB

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PRIMARY WORK GROUPS

PRIMARY TEACHING FOR MASTERY – INTRODUCTORY WORK GROUPS

Are You Ready to Transform Maths Education in Your School?

Join our Teaching for Mastery programme and empower your teachers and pupils to achieve greater success in mathematics. By participating, your school will develop a collaborative learning culture, enhance professional development and improve pupil outcomes in maths.



Who Should Get Involved?

This programme is designed for schools committed to embedding a teaching for mastery approach. Headteacher involvement is crucial, particularly during school visits and Work Group sessions, to ensure effective implementation. Each school will nominate a maths lead and an additional participant to take part in Work Groups and lead school-wide improvements.

Lead Participants Will:

- ✓ Attend six half-termly, school-based Work Group sessions each year, facilitated by a Mastery Specialist.
- ✓ Be released from usual duties to participate in regular school visits across 2025/26 and 2026/27.
- ✓ Receive support from a Mastery Specialist each term, focusing on developing school systems that embed teaching for mastery.

How To Get Involved

To find out more about how your school can get involved in this fully funded project in 2025-2026 and to read more details about the structure of the Work Groups and the time commitment, head to our website using the link below:

[Primary Teaching for Mastery - Introductory Work Groups](#)

PRIMARY TEACHING FOR MASTERY WORK GROUPS

Empower Pupils, Transform Practice, Strengthen Leadership

Support for schools to make teaching for mastery 'business as usual'. These Work Groups are for schools that have previously taken part in **Development**, **Embedding**, or **Sustaining** Work Groups. Each group brings together around 12 schools to collaborate deeply over time.



What Will Pupils Gain?

- ✓ Develop high expectations of themselves as confident, capable mathematicians.
- ✓ Show increased engagement and a positive attitude towards maths.
- ✓ Experience well-structured, coherent lessons built on mastery principles.
- ✓ Achieve greater depth of understanding, with fewer pupils falling behind age-related expectations.

Teachers and leaders will work together to:

- Strengthen their leadership of implementation and build a sustainable teaching for mastery culture.
- Embed structures that support all teachers—wherever they are on their journey.
- Create systems for high-quality professional development, including collaborative planning and subject knowledge enhancement.
- Share best practice within and beyond their school.
- Build system leadership capacity by collaborating with other schools.

Work Groups are designed for year-on-year participation, helping your school stay committed to delivering excellent maths education for all pupils.

How To Get Involved

Apply now for a Teaching for Mastery Work Group in 2025-2026 via our website:

[Primary Teaching for Mastery Work Groups](#)

SPECIALIST KNOWLEDGE FOR TEACHING MATHEMATICS – PRIMARY EARLY CAREER TEACHERS

Develop mathematical subject knowledge and understand the pedagogy that underpins the teaching of it.

Who Can Take Part?

This programme is designed for teachers in the early stages of their career, specifically those in their second or third year of teaching.

What's Involved?

Built to complement the Early Career Framework, this programme offers a maths-specific focus that goes beyond the statutory requirements. It supports Early Career Teachers (ECTs) in deepening both their subject knowledge and classroom practice.



Over the course of the programme, you will take part in the equivalent of four days of interactive sessions. Between sessions, you will apply your learning directly in the classroom by exploring carefully chosen maths tasks.

What Will You Gain?

- ✓ Deeper specialist knowledge of primary maths, aligned with Teaching for Mastery principles.
- ✓ Practical strategies for task and lesson design, tailored to the needs of your pupils.
- ✓ Greater pupil engagement, as learners begin to explain their thinking with confidence and clarity—evidence of genuine understanding.

How To Get Involved

Bookings are now open on our website. Please go to the following page for full details:

[Specialist Knowledge for Teaching Mathematics - Primary Early Career Teachers](#)

SPECIALIST KNOWLEDGE FOR TEACHING MATHEMATICS – EARLY YEARS TEACHERS

Develop mathematical subject knowledge and understand the pedagogy that underpins the teaching of it.

Who Can Take Part?

This Work Group is for teachers who would like to develop their specialist knowledge for teaching maths to three- to five-year-olds. This may be particularly relevant for teachers that have switched to this age group or have not received specific training in maths.



What's Involved?

There are two types of Early Years Work Groups:

Pathway One: Number Patterns and Structures

Pathway Two: Spatial Reasoning, Pattern, Shape, Space and Measures

Each pathway is the equivalent of a four-day programme and has three core elements, three associated pedagogy sessions and a task to support the transition from theory to practice. There is also a final core unit that aims to review quality provision.

How To Get Involved

Bookings are now open for both pathways. For more information including Work Group dates and locations, please visit our website:

[**Specialist Knowledge for Teaching Mathematics - Early Years Teachers**](#)

SPECIALIST KNOWLEDGE FOR TEACHING MATHEMATICS – PRIMARY TEACHING ASSISTANTS

Develop mathematical subject knowledge and understand the pedagogy that underpins the teaching of it.

Who Can Take Part?

These programmes are designed for primary teaching assistants who are supporting maths and who would like to develop their specialist knowledge for teaching maths. This may be particularly relevant for new TAs or TAs that have not received maths-specific training.



What's Involved?

This Work Group supports primary teaching assistants to develop specialist knowledge for teaching maths, to build on the primary maths National Curriculum and to develop distinct pedagogical decision-making which will impact on their practice when supporting maths. It takes place over the equivalent of four days.

What Will You Learn?

By taking part, you will:

- ✓ Your pupils will positively engage with maths that challenges them.
- ✓ You will identify common misconceptions and ways of addressing these to help pupils master important concepts.
- ✓ You will develop an understanding of key principles and approaches associated with teaching for mastery.

How To Get Involved

The SKTM Primary Teaching Assistants Programme is **fully funded** by the Maths Hubs Programme so is **free** to participating schools. We have three groups this year taking place in Bicester, Aylesbury and Slough. Visit our website to book your place:

[Specialist Knowledge for Teaching Mathematics - Primary Teaching Assistants](#)

SUPPORTING MULTILINGUAL LEARNERS IN PRIMARY MATHEMATICS

Join a fully funded Work Group developing a toolkit of strategies and resources for working with multilingual learners (specifically those with EAL).

Who Can Take Part?

This Work Group is designed to develop effective pedagogies, strategies, and resources to support primary pupils who speak English as an additional language, across a wide range of language proficiencies. It is open to teachers who are keen to build their expertise in supporting multilingual learners.



What's Involved?

Together, we will co-create and trial strategies, resources, and approaches for teaching mathematics through language-responsive practices. The focus will be on using pupils' languages as a valuable resource for learning.

Each Work Group will:

- Explore approaches rooted in *teaching for mastery*.
- Share and trial practice-based tasks between sessions.

What Will You Learn?

By taking part, you will:

- Support your pupils in drawing on all their languages to engage with mathematics.
- Strengthen your teaching through language-responsive approaches.
- Contribute to case studies highlighting strategies you have trialled.
- Help co-design a practical toolkit for teachers of multilingual learners.

This Work Group is led by **Jo Skelton & Jennie Forde** and begins on **11th November**. Bookings are now open, please reserve your spot via the link below:

[Supporting Multilingual Learners in Primary Mathematics](#)

SECONDARY WORK GROUPS

SECONDARY TEACHING FOR MASTERY WORK GROUPS

Build confident, capable maths learners through a collaborative, whole-department approach.

These Work Groups are open to secondary schools already engaged with the Teaching for Mastery Programme including:

- Schools involved in previous Development Work Groups
- Schools with a trained Secondary Mastery Specialist (Cohorts 1–8)



Each school will send two participants - ideally including at least one Mastery Specialist or Advocate - to work collaboratively throughout the year.

What Will Pupils Gain?

- Develop a deep, connected understanding of the maths they learn.
- Achieve strong conceptual understanding alongside procedural fluency.

- Think, reason and communicate their maths ideas clearly and confidently.
- Cultivate a positive mindset and reach high levels of achievement.

What Will Your Department Gain?

- Share a unified vision and approach, grounded in the *NCETM's Essence of Mathematics Teaching for Mastery*
- Embed consistent teaching for mastery practices across the department.
- Establish collaborative structures that support ongoing professional growth.

Growing Through Professional Learning

Participants will:

- Deepen their understanding of mastery teaching.
- Recognise the power of collaboration in shaping great curriculum.
- Gain clarity on the leadership and systems needed to embed change.
- Explore the principles behind designing a connected, mastery-focused curriculum.
- Experience the benefits of collaborative, sustained professional development.

We are offering the following range of focus areas for 2025-2026:

Focus A: Developing mathematical thinking across a department.

Focus B: Developing collaborative planning/lesson observation across a department.

Focus C: Developing an understanding of teaching for mastery.

There is also an expectation that subject leaders take part in the Subject Leader Community (NCP25-15).

More information on these focus areas is available on our website.

These Work Groups are free to participating schools. Bookings are now open for 2025-2026. You can book online for the Work Group Focus you wish to join:

[Secondary Teaching for Mastery Work Groups](#)

SECURING FOUNDATIONS AT YEAR 7

Discover ways to help students who need additional support to make good progress in KS3 and beyond

Who Is This For?

Are you teaching Year 7 students who didn't meet age-related expectations in maths at the end of primary school—particularly those in the lowest 20–30% nationally? Whether you're a new or experienced teacher, this fully funded programme is designed to support you in closing the gap for these learners.



What's Involved?

Join us for three collaborative and practical sessions where you'll:

- ✓ Access expertly designed, high-quality resources tailored to support students with KS2 gaps.
- ✓ Strengthen your understanding of the maths curriculum and progression from KS1 to KS3.
- ✓ Develop strategies to help students access and succeed with the KS3 curriculum.
- ✓ Engage with research-informed approaches to support mathematical reasoning for all learners.
- ✓ Become part of a supportive professional learning community focused on improving practice.

What Will You Gain?

- See tangible progress in your students' ability to access and succeed in KS3 maths.
- Deepen your subject and pedagogical knowledge across KS1, KS2, and KS3.
- Explore and apply effective teaching strategies that help all students reason and think mathematically.
- Reflect on your teaching in a collaborative environment and refine your classroom practice.

How To Get Involved

We are still accepting applications to join this Work Group from session two on 27th January 2026. Reserve your place now: [Securing Foundations at Year 7](#)

SPECIALIST KNOWLEDGE FOR TEACHING MATHEMATICS – SECONDARY EARLY CAREER TEACHERS

Who can take part?

Participants will be those identified as having recently started their teaching career; for this programme that means teachers in their second or third year of teaching.



What is involved?

This one-year programme supports early career secondary teachers to develop their specialist knowledge for teaching maths, underpinned by the principles of teaching for mastery.

Participants attend the equivalent of four days of professional development across the year, working collaboratively on maths tasks and exploring pedagogy, lesson design and misconceptions. They also complete school-based tasks, contribute to an online community, and reflect with peers and mentors.

What will you learn?

- You will strengthen your understanding of effective maths pedagogy.
- You will improve your lesson design and questioning.
- You will build confidence in adapting your teaching to meet the needs of your students.
- You will develop knowledge that aligns with teaching for mastery and the ITTECF.

What is the cost?

The SKTM Secondary Early Career Teachers Programme is fully funded by the Maths Hubs Programme so is free to participating schools.

Applications are now open for 2025-2026. The first session takes place on Thursday 11th December at St Birinus School, Didcot.

Book your place via the link below:

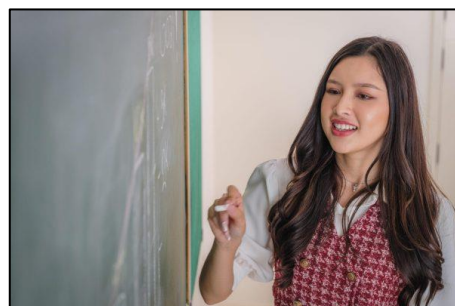
[Specialist Knowledge for Teaching Mathematics: Secondary Early Career Teachers](#)

POST 16 WORK GROUPS

DEVELOPING A LEVEL PEDAGOGY

Who Can Take Part?

This programme is open to established A level Maths teachers who want to deepen their pedagogical understanding. To take part, you must be teaching a current A level Maths group. It will be especially valuable if you have already completed other A level subject knowledge or pedagogy CPD.



What's Involved?

The Work Group focuses on strengthening teachers' pedagogical content knowledge, helping you to refine your classroom practice and positively influence A level teaching across your department.

You will:

- Design and trial new classroom activities.
- Share experiences and reflect with peers.
- Explore approaches that improve student understanding and outcomes in A level Maths.

This project is a collaboration between the Maths Hubs Network and the Advanced Mathematics Support Programme (AMSP).

What Will You Gain?

By taking part, you will:

- Help your students develop deeper conceptual understanding of A level Maths.
- Understand the role of the Overarching Themes (including technology) in effective teaching and learning.
- See how teaching for mastery principles can be applied in A level classrooms.
- Strengthen your own and your department's pedagogical content knowledge.

How To Get Involved

The project launches on 22nd October. Book now on our website:

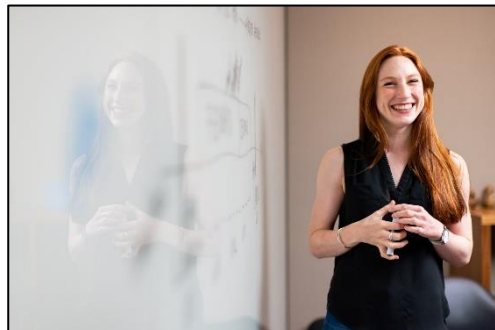
[Developing A Level Pedagogy](#)

DEVELOPING CORE MATHS PEDAGOGY

Develop improved teaching approaches for Core Maths.

Who Can Take Part?

We're inviting experienced Core Maths teachers from schools and colleges who are in at least their second year of teaching the subject. If you take part, you'll also be encouraged to share ideas and collaborate with colleagues in your own department.



What's Involved?

This Work Group is a chance to collaborate, experiment, and grow as a Core Maths teacher. Together, we'll explore new teaching approaches that strengthen students' open-ended problem-solving skills - an essential aspect of Core Maths. You'll design and trial engaging classroom activities, then share your experiences and insights with fellow teachers in the group.

This project is a collaboration between the Maths Hubs Network and the Advanced Mathematics Support Programme (AMSP).

What Will You Gain?

By taking part, you will:

- Help your students see the value of maths and statistics in real-life contexts.
- Develop confidence in teaching mathematical concepts through meaningful, problem-solving approaches.
- Deepen your understanding of the Core Maths philosophy.
- Strengthen your school or college's Core Maths provision and raise its profile with students and staff.

How To Get Involved

The project launches 4th December. Book your place now on our website:

[Developing Core Maths Pedagogy](#)

SUPPORTING LOW ATTAINERS TO ACHIEVE A L2 QUALIFICATION IN MATHS

This programme is open to teachers of GCSE Maths, GCSE Maths resit, and/or Functional Skills Maths.

Whether you teach in a secondary school, UTC, FE college, Sixth Form college, a school with post-16 provision, or another post-16 setting, you are warmly invited to take part.



What's Involved?

If you teach students working towards Level 2 maths (up to and beyond age 16), this opportunity is for you. Teachers of Years 10 and 11, as well as those supporting GCSE resit and Functional Skills learners, will explore practical strategies to help students succeed in achieving a Level 2 maths qualification.

Work Groups will focus on transferable approaches rooted in teaching for mastery. You will take part in **three full-day workshops**, with opportunities to try out practice-based tasks in between sessions.

What Will You Gain?

- Help your students develop greater confidence and a positive mindset towards maths.
- Strengthen your lesson design and pedagogy, with a clear understanding of curriculum sequencing and continuity.
- Learn how to use consistent language and representations across key topics to support learner progression.
- Build collaborative practices with colleagues across phases, supporting smoother transitions for students continuing their journey towards a Level 2 qualification.

What Does It Cost?

Nothing! The *Supporting Students to Achieve a Level 2 Qualification in Maths* project is **fully funded** by the Maths Hubs Programme. Participation is free for all schools and colleges.

This Work group starts on 25th November. All three sessions take place at UTC Aylesbury.

Book your place online:

[Supporting Low Attainers to achieve a L2 qualification in mathematics](#)

SECONDARY MATHS SUBJECT LEADERS COMMUNITY

A CPD community designed specifically for secondary heads of maths

This community is designed for secondary heads of department and subject leaders in maths. Whether your school is already connected or you're completely new to the programme, you're warmly invited to take part.



What's Involved?

You'll join a network of like-minded leaders, exploring the latest research and innovations in maths education. Together, you'll share insights, trial new ideas, and apply what you learn to support and inspire your department.

Why Take Part?

As a subject leader, you play a central role in shaping teaching practice and improving outcomes for students. This project gives you the chance to:

- Strengthen your understanding of effective approaches to maths teaching.
- Develop your leadership skills and responsibilities.
- Work alongside other leaders to transform maths learning in secondary schools.

What Will You Gain?

By being part of the Secondary Maths Subject Leaders Community, you will:

- Build and champion a shared vision and culture for maths teaching and learning.
- Ensure curriculum coherence and strengthen teaching for mastery across your department.
- Develop collaborative approaches that support lasting improvement.
- Grow in confidence and effectiveness as a leader of change

What Does It Cost?

Participation is completely free. Book online via our website:

[Secondary Maths Subject Leaders Community](#)

CROSS PHASE

YEARS 5-8 CONTINUITY

Who Can Take Part?

The project is for both primary and secondary schools and is aimed primarily at those who teach and/or have responsibility for the curriculum in Years 5-8. Participants may be subject leaders or teachers with responsibility for transition in a school.



This Work Group may be particularly suitable for linked 'families' of schools: primary, secondary etc. A 'family' could be a secondary school and their associated (feeder) primary schools or groups of schools from within a MAT.

What's Involved?

Work Groups in this project focus on curriculum and pedagogical continuity over Years 5 to 8. Participants will collaborate with colleagues from across KS2 and KS3, working on mathematical tasks together and reflecting on the resulting activity and learning.

Sessions will take place in KS2 and KS3 settings, offering the chance to see tasks in the context of a classroom. School-based activities between meetings encourage participants to make use of the resources with their own pupils.

We are running two cohorts of the Work Group this year, one based at UTC Oxfordshire and one at Wycombe High School (coming soon). For more information and to book your place, please visit our website: [Years 5-8 Continuity](#)

We hope you find something of interest and look forward to working with you soon! For any general enquiries, please email us at: info@bbomathshub.org.uk

The BBO Maths Hub Team.