

# 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. These participants must be empowered by their headteachers to implement and evaluate changes in policies and practice.

#### 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.

Don't miss this opportunity to be part of a transformative journey that will empower your teachers and improve pupil outcomes. Register now and start embedding a lasting culture of success in maths across your school.

### 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

### Whole School impact:

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**

Please register your interest in joining 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'll take part in the equivalent of four days of interactive sessions. Between sessions, you'll 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 for Group 1 on our website with dates for other groups coming soon. Please go to the following page for full details:

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

## SPECIALIST KNOWLEDGE FOR TEACHING MATHEMATICS – PRIMARY TEACHERS

**Develop mathematical subject knowledge and understand the pedagogy that underpins the teaching of it: Number Pathway 2025–2026**

### Who Can Take Part?

This pathway is designed for **primary teachers** who want to strengthen their expertise in teaching number and arithmetic. It may be particularly valuable if you:

- Have recently changed year groups or phases,
- Have had limited maths-specific training, or
- Simply want to deepen your subject and pedagogical knowledge in number.



### What's Involved?

The **Number Pathway** focuses on developing both **subject knowledge** and **classroom practice** for teaching number across the primary years.

- Equivalent of **four days** of professional learning, spread across at least two terms.
- Ongoing opportunities to apply and refine new approaches in your classroom.
- Collaboration with colleagues to share experiences and reflect on impact.

### What Will You Learn?

By taking part, you will:

- ✓ Help pupils build secure number sense and confidence in working with numbers.
- ✓ mathematical thinking clearly and accurately.
- ✓ Strengthen your understanding of progression in number and calculation across the primary years.
- ✓ Explore pedagogical approaches that enhance conceptual understanding, fluency, and reasoning in number.

## How To Get Involved

Bookings are now open for the **Number Pathway**, which launches on 26<sup>th</sup> November. Please go to the following page for full details and to reserve your place:

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

## SECONDARY 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?

By the end of the programme, you will:

- 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

Bookings are now open on our website to take part in this project which starts on 15<sup>th</sup> October. Reserve your place now via the link below:

[Securing Foundations at Year 7](#)

## DEVELOPING FLUENCY WITH MULTIPLICATIVE REASONING AT KS3

**Strengthen understanding and confidence in a key area of the KS3 (Year 7 and Year 8) maths curriculum**

Are you a secondary school teacher in England passionate about improving maths education? This fully funded opportunity is open to schools looking to deepen their Key Stage 3 maths teaching and build stronger department-wide practice.



### Who Can Take Part?

Secondary schools in England are invited to nominate **two KS3 teachers**, including **at least one experienced teacher**. Ideal for those keen to enhance their own classroom practice while supporting subject improvement across the department.

### What's Involved?

Take part in a collaborative **professional learning community** focused on helping students build a deep, connected understanding of **multiplicative reasoning**.

- ✓ Work with other teachers to explore effective teaching strategies
- ✓ Access and use expertly-designed classroom resources and guidance
- ✓ Share experiences, plan together, and reflect on lesson design

Choose the right Work Group for your school:

- **Year 7 Focus** – open to all secondary schools

- **Year 8 Focus** – for schools that joined the Year 7 Work Group in 2024/25

### What Will You Gain?

- Strategies to improve students' fluency, confidence, and reasoning
- Insight into key structures for teaching multiplicative reasoning
- A collaborative space to plan coherent, high-quality lessons
- Techniques to support all learners in thinking and communicating mathematically
- Access to high-quality, classroom-ready resources to build strong foundations for GCSE success

### How To Get Involved

The Work Group begins on 17<sup>th</sup> October and bookings can be made on our website:

[Developing Fluency with Multiplicative Reasoning at KS3](#)

## HIGHER-LEVEL MATHS ACHIEVEMENT

### Empowering disadvantaged students to excel in GCSE Maths

Are you a secondary school teacher working with a high proportion of disadvantaged students? Do you want to help your students achieve higher GCSE grades and unlock future opportunities in mathematics? We're inviting passionate teachers to take part in a fully funded professional development programme designed to boost maths achievement and progression in your school.



### Who Can Take Part?

Secondary schools with a high proportion of disadvantaged students are encouraged to apply. Participating schools must commit to releasing **at least one teacher** to attend all sessions, trial classroom strategies, and share learning across the school.

### What's Involved?

Join a local Work Group supported by your Maths Hub and the Advanced Mathematics Support Programme (AMSP). You'll collaborate with colleagues to explore proven strategies that increase student attainment and motivation in maths.

You'll engage in:



- Collaborative planning and reflection sessions
- Trialling and adapting high-impact tasks in the classroom
- Developing practical strategies for tackling challenging GCSE content

### **What Will You Gain?**

- Strategies to help students develop deep understanding needed for higher GCSE grades
- A whole-school culture of high expectations and equitable access to challenging maths
- Greater student awareness of post-16 maths pathways
- Opportunities to collaborate and share practice with like-minded professionals
- Practical classroom resources to stretch and inspire your learners

### **How To Get Involved**

This fully funded Work Group begins on 27<sup>th</sup> November. Bookings can be made on our website:

[Higher-Level Maths Achievement](#)

## **POST 16 WORK GROUPS**

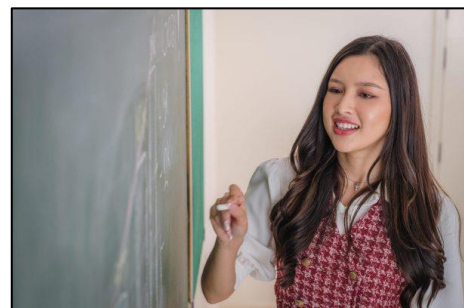
### **DEVELOPING A LEVEL PEDAGOGY**

**Supporting experienced A level teachers to not only further develop their expertise but provide a model to support departmental change.**

### **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 22<sup>nd</sup> October. Book now on our website:

[Developing A Level 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'll take part in **three full-day workshops**, with opportunities to try out practice-based tasks in between sessions.

## What Will You Gain?

By joining, you will:

- 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! This Work Group is fully funded by the Maths Hub. It starts on 25<sup>th</sup> November, and you can apply online:

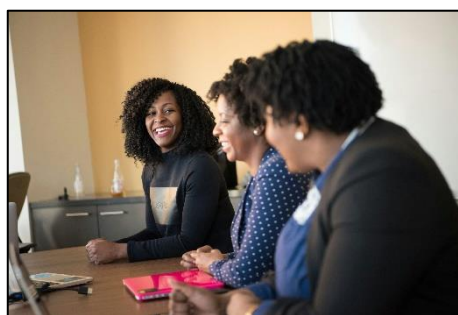
[Supporting Low Attainers to achieve a L2 qualification in mathematics](#)

## 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](#)

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](mailto:info@bbomathshub.org.uk)

*The BBO Maths Hub Team.*