

To view the latest edition of our newsletter, please either [download the pdf](#) or [view it online](#).

## BBO MATHS HUB: WORK GROUPS AVAILABLE TO BOOK

All our Work Groups and communities have now been made live on our website, with many still having spaces available to book. Please see below for details of the ways you can get involved this year.

All Work Groups can be booked online via our website: [www.bbomathshub.org.uk](http://www.bbomathshub.org.uk)

Our projects are fully funded by the Maths Hub Programme and are therefore **FREE to attend** for teachers in state funded schools.

## PRIMARY AND EARLY YEARS

### SKTM: PRIMARY TEACHERS

This project is for primary teachers who would like to develop their specialist knowledge for teaching maths. This may be particularly relevant for teachers that have moved phases or have not received maths-specific training.



There are two pathways: Number and Spatial Reasoning. Each pathway consists of the equivalent of four days, spread out over a minimum of two terms. Professional learning and practice development continue throughout, with participants implementing new ideas into their daily practice.

Bookings are now open for Bucks & Berks (Spatial Pathway) and Oxfordshire (Number Pathway). Please visit [Specialist Knowledge for Teaching of Mathematics - Primary Teachers - BBO Maths Hub](#) for more details.

## SKTM: PRIMARY TEACHING ASSISTANTS

This project is 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.

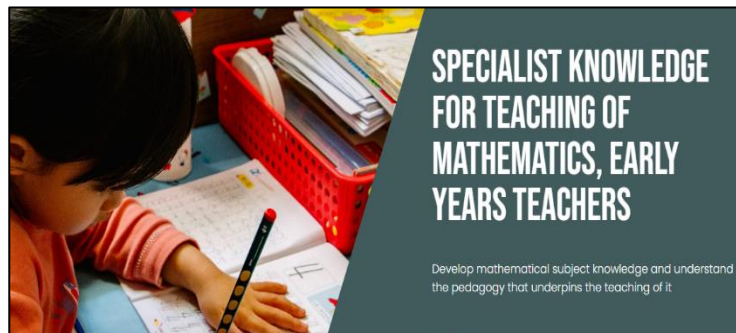
The aim is to improve the subject knowledge and pedagogical knowledge for all practitioners supporting the learning of primary maths.



Bookings are now open for Berkshire and Oxfordshire cohorts of this Work Group. Please book online via our website: [Specialist Knowledge for Teaching of Mathematics, Primary Teaching Assistants - BBO Maths Hub](#)

## SKTM: EARLY YEARS TEACHERS

This programme is designed for individuals who would like to develop their specialist knowledge for teaching maths to 3–5-year-olds. This may be particularly relevant for teachers that have moved phases or have not received maths-specific training.



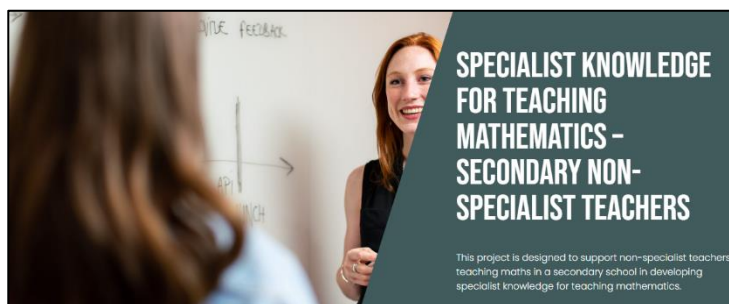
There are two types of SKTM Early Years pathways: Pathway One: Number Patterns and Structures and Pathway Two: Pattern, Shape, Space and Measures.

Bookings are now open for Buckinghamshire and Oxfordshire (Number Pathway) and Berks (Spatial Pathway) cohorts of this Work Group. You can book your place online via our website: [Specialist Knowledge for Teaching of Mathematics, Early Years Teachers - BBO Maths Hub](#)

## SECONDARY

### SKTM: SECONDARY NON-SPECIALIST TEACHERS

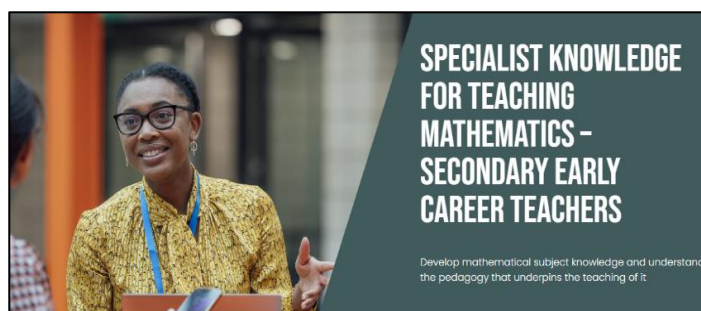
This project is designed to support non-specialist teachers who teach maths in a secondary school in developing the specialist knowledge necessary for teaching mathematics thus enabling them to understand, teach and support students in the classroom.



This project started on Monday 11<sup>th</sup> November however we are still accepting applications, with all sessions taking place online between 4.30 and 7pm. If you have non-specialist teachers teaching maths in your secondary school who you feel could benefit from this, book a place online today. View the full details on our website: [Specialist Knowledge for Teaching Mathematics - Secondary Non-Specialist Teachers - BBO Maths Hub](#)

### SKTM: SECONDARY EARLY CAREER TEACHERS

Aimed at Early Career Teachers – teachers in their first or second year of teaching - this project has been designed to support newly qualified and recently qualified maths teachers during the early years of their career to help develop strong and capable practitioners.



Delving deeply into multiplicative reasoning, participants will have opportunities to observe learning and consider task design. The communities formed as part of the project provide an opportunity for participants' conversation to remain focused on the teaching of maths, with teachers at a similar stage of their career.

For more information and to book online, please visit our website: [Specialist Knowledge for Teaching Mathematics - Secondary Early Career Teachers - BBO Maths Hub](#)

## SECONDARY SUBJECT LEADERS COMMUNITY

The project is for secondary heads of department/subject leaders and is open to heads of department in schools already involved with Maths Hubs and to those who are not yet involved.



In their first year of engagement with this project, participants will be part of a Work Group. In subsequent years they will be part of a Maths Hub-led subject leadership community.

This project provides an opportunity for participants to deepen their understanding of teaching approaches, of their wider roles, and of their capacity with their colleagues to transform secondary maths learning. They will work collaboratively with other subject leaders, discuss developments and engage with research, and use this experience to inform their work in leading and developing maths education in school.

For more information and to book your place, please visit [Secondary Subject Leaders Community - BBO Maths Hub](#)

## POST 16

### DEVELOPING CORE MATHS PEDAGOGY

This Work Group gives teachers opportunities, through collaboration and experimentation, to develop improved teaching approaches that support the open-ended problem-solving skills Core Maths students need to develop, and to share these with departmental colleagues.



The project involves a direct working partnership between the Maths Hubs Network and the Advanced Mathematics Support Programme (AMSP). Participants should be experienced

and developing teachers of Core Maths from schools and colleges in at least their second year of teaching Core Maths.

For more information and to book online, please visit our website: [Developing Core Maths Pedagogy - BBO Maths Hub](#)

## CROSS PHASE

### YEARS 5-8 CONTINUITY

This project is for both primary and secondary schools. It 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.



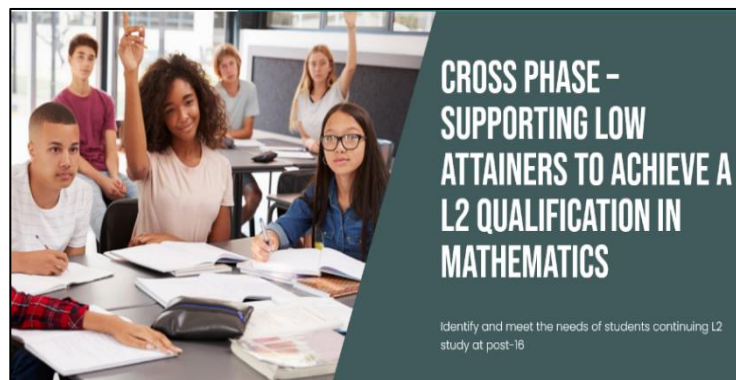
Lead participants should be teachers of Years 5-8, ideally with some responsibility for curriculum development. Work Groups in this project focus on curriculum and pedagogical continuity over Years 5 to 8. Participants will explore a selection of high-quality resources: Checkpoints, Multiplicative Reasoning and Algebraic Thinking materials.

We have an Oxfordshire and a Bucks and Berks cohort running this year. For more information and to book your place go to: [Years 5-8 Continuity - BBO Maths Hub](#)

### CROSS PHASE: SUPPORTING LOW ATTAINERS TO ACHIEVE A L2 QUALIFICATION IN MATHS

This project is for teachers of GCSE Maths, and for those teaching GCSE Maths resit and/or Functional Skills Maths.

Participants may be based in secondary schools, UTCs, FE colleges, Sixth Form colleges, schools with post-16 provision, or other post-16 settings.



Work Groups will focus on developing transferable teaching techniques aligned to teaching for mastery. Participants will attend three full-day workshops and complete practice-based tasks between sessions.

For more information, please visit [Cross Phase – Supporting low attainers to achieve a L2 qualification in mathematics - BBO Maths Hub](#)

## ITT PARTNERSHIPS PLUS ITT MENTORING TOOLKIT



This project aims to form an established group of ITT representatives across the sector who are committed to developing communities of practice to review and evolve their provision.

Participants in this programme will be from the ITT community; they should be directly involved in ITT with a responsibility for maths. They will represent the various ITT providers across the hub region so may include HEI, SCITT and School Direct, and represent different phases of ITT including EYTS, QTS (primary and secondary), and post-16. The first meeting takes place this month on Wednesday 27<sup>th</sup> November.

For more information and to register your interest, please visit our website: [ITT Partnerships plus ITT Mentoring Toolkit - BBO Maths Hub](#)

## RESEARCH AND INNOVATION PROJECT: SECONDARY OVERSEAS TEACHERS



Many secondary schools in our area are increasingly having to turn to overseas teachers to be fully staffed. Several of these schools have raised issues with the overseas teachers teaching which includes areas such as the

mathematical notation they use which we do not in the UK, not being fully versed in required vocabulary, teaching methods which are not expected in the UK, not understanding how the UK school system works or having enough experience to see where students are in terms of the usual progression of learning journey.

The aim of this Work Group is to develop resources and guidance as to how schools can support overseas teachers in Mathematics Departments. We will explore the differences between mathematical teaching in the UK and abroad to identify areas where teachers will need support to adapt effectively to teach in the UK. We hope to smooth the transition in a

way that will support the overseas teachers while reducing the effort required by the maths departments they are joining. For more information and to register your interest, please visit our website: [Research and Innovation Project - Secondary Overseas Teachers - BBO Maths Hub](#)

We hope you find something of interest and look forward to working with you soon!

*The BBO Maths Hub Team.*