

PROFESSIONAL DEVELOPMENT OPPORTUNITIES



2020-21

EARLY YEARS

PRIMARY

TRANSITION

SECONDARY

LEVEL 3



MathsHUBS

CODE

CODE Maths Hub is pleased once again to offer a comprehensive range of **FREE** CPD opportunities.

Our programme in 2019/20 faced some disruption as a result of COVID-19 and this year part of our focus will be in supporting schools as they fully return and welcome all pupils back. We hope that we will be able to resume all face-to-face contact as soon as it's safe and appropriate to do so, although in the meantime we will make adjustments as necessary.

As well as Teaching for Mastery Workgroups (supported by both Primary and Secondary Mastery Specialists), we are offering the following range of opportunities for teachers and schools to work together on a variety of focused areas around mathematics education.

All work groups provide opportunities to think together with colleagues and try things out in your own classrooms.

You can find details of all work groups on our website:

<http://www.codemathshub.org.uk/>

Maths Hubs Network Collaborative Projects 2020/21

Building Firm Mathematical Foundations in Reception

Overview:

Work group participants will consider how to build clear progression in mathematical concepts and how to make these accessible to young children. Attention will be given to appropriate pedagogy, in particular the nature of direct teaching within an Early Years context. It aims to support schools (EYFS teachers and school leadership teams) in providing a consistent message about high quality mathematics provision in the early years and how this provision supports progression into the next phase of learning. Schools will develop an understanding about how to link teaching in EYFS and the teaching for mastery '5 Big Ideas' in Year 1.

Work groups in this project aim to secure Early Years best practice and build firm foundations for all children by the end of the Reception year. Practitioners and senior leaders will develop their understanding as to how Early Years best practice feeds into a teaching for mastery approach and supports progression through the school.

CODE Maths Hub plans to run this work group in both Cornwall and Devon

Who is this for?

This Work Group is aimed at schools who are currently developing Teaching for Mastery across their school. Schools wishing to participate should send a Reception teacher and the teacher leading on teaching for mastery within the school. At least one of the sessions will be aimed at senior leaders within the school and your the headteacher or deputy should also attend this session.

In-school work will focus on the EYFS teacher, Maths Lead and a member of the senior leadership team working together to secure an understanding to inform future policy development.

What is involved?

A blend of online and face-to-face sessions supported by gap tasks.

The session will be run by Helen Williams (Mathematics - Early Years), Josh Lury (Deputy Maths Hub Lead)

How to apply for this Work Group?

To apply visit our website and complete the form to sign up. We will notify you if your school is successful in gaining a place on this Work Group.

PRIMARY: Teaching for Mastery

Maths Hubs Network Collaborative Projects 2020/21

Mastery Readiness

The Mastery Readiness Programme is for primary schools that want to adopt teaching for mastery in maths, but would benefit from a staged approach.

There is no charge for participation in the programme, for either the workshop events or the support in your school. The work group involves the release two teachers to engage in all workshops supported by regular school visits from the Mastery Readiness lead.

To find out more download the leaflet [here](#).

Maths Hubs Network Collaborative Projects 2020/21

TfM Development

The Teaching for Mastery Development Work Group is for schools that want to work in a collaborative group with a mastery specialist to develop teaching for mastery in their schools. The work group involves attendance at half-termly Teacher Research Groups (TRG) led by a mastery specialist, alongside termly school visits to support schools in implementing change.

There is a grant of £1000 for participating schools.

Maths Hubs Network Collaborative Projects 2020/21

TfM Embedding

Schools who participated in TfM Development Work Group in 2019/2020 are eligible to continue work with a Mastery Specialist through the TfM Embedding Work Group. This Work Group comprises half-termly TRGs and one school visit from the specialist during the year. The aim of these groups is to support schools in embedding structures and systems to ensure that all teachers can be supported to implement TfM across the whole school. This involves working with school leaders and classroom practitioners and establishing systems of professional development which support continual improvement and refinement within and across schools.

There is a grant of £500 for participating schools.

Maths Hubs Network Collaborative Projects 2020/21

TfM Sustaining

Any school that has previously engaged in a TfM Development Work Group is now eligible to join a TfM Sustaining Work Group. This work group comprises six half-termly workshops focusing on leadership

development, collaborative planning and subject knowledge development, whilst also seeking to establish continuing support for collaborative planning and leadership within the school.

There is no charge for this work group

Maths Hubs Network Collaborative Projects 2020/21

Specialist Knowledge for Teaching Mathematics (Teachers and Teaching Assistants)

Overview:

Work groups in this project – which are available for both primary teachers, early years teachers, and TAs– will develop their mathematical subject knowledge in conjunction with understanding the pedagogy that underpins the teaching of it. Understanding of mathematical structures will be explored so participants gain a detailed understanding of how children learn early mathematical concepts.

Who is this for?

This year CODE Maths Hub will be running three different SKTM Teacher Work Groups:

1. Primary School Teachers
2. Early Years Teachers
3. Teaching Assistants

What is involved?

A mixture of face-to-face sessions supported by gap tasks.

These sessions will be run by Josh Lury (Deputy Maths Hub Lead)

How to apply for this Work Group?

To apply, visit our website and complete the form to sign up. We will notify you if your school is successful in gaining a place on this Work Group.

SECONDARY

Maths Hubs Network Collaborative Projects 2020/21

Y5-8 CONTINUITY

Overview:

This Work Group promotes Teaching for Mastery approaches across the KS2-3 boundary to ensure consistency in the pupil experience. Ofsted and EEF publications have highlighted the need for a focus on continuity at transition from KS2-3 and their recommendations include improving knowledge and understanding of pedagogy and curriculum in the other key stage. This work group aims to avoid the dip in attainment which is often reported as pupils move from primary to secondary education.

Who is this for?

Any MAT with primary and secondary schools interested in exploring transition.

What is involved?

This Work Group takes the form of a lesson study approach where all participants focus on a particular aspect of the maths curriculum and work collaboratively to develop this in their schools.

Maths Hubs Network Collaborative Projects 2020/21

Teaching for Mastery – Advocate School

We are seeking schools to work with our Secondary Mastery Specialists to develop teaching for mastery approaches in their departments. Two teachers from each school will become 'Mastery Advocates' within their own departments, working closely with a Secondary Mastery Specialist to understand the principles and practices associated with teaching for mastery.

There is a grant of £2000 for participating schools

Maths Hubs Network Collaborative Projects 2020/21

Challenging Topics at GCSE

Overview:

Feedback from teachers and GCSE exam analysis indicates there are key areas of the curriculum that students continue to find challenging. This work group will explore effective ways of teaching some of these topics, both to address the immediate needs of the incoming KS4 students, but also, crucially, taking a longer-term view by considering development in KS3.

The aim will be to get to grips with all the underpinning content of a topic, exploring misconceptions and effective pedagogical approaches for each element. The approaches also contribute towards the development of a generic process which departments could use as a 'toolkit' to lead the improvement of teaching and learning in any identified area of the curriculum that students find challenging

Who is this for?

Secondary school maths teachers and heads of department. Participants in the 2018/19 Work Group are welcome to participate again.

What is involved?

Each work group will explore a single GCSE topic in depth. Participation will require attendance at four workshops spread across the year and include gap tasks. Any work produced will be shared across the hubs, giving access to a range of challenging topics.

The sessions will be run by Richard Perring (Secondary TfM Lead)

LEVEL 3

Maths Hubs Network Collaborative Projects 2020/21

Supporting Core Maths

Overview:

The success of Core Maths depends, in part, on the growth of the pool of teachers, schools and colleges with the necessary expertise, experience and enthusiasm to teach it. This project, run collaboratively by the Maths Hubs Network and the Advanced Mathematics Support Programme (AMSP), will contribute to the wider national effort to grow that pool, and embed Core Maths confidence and culture within school and college maths departments

Who is this for?

All current and potential teachers of Core Maths. These may be teachers in post-16 settings whose main subject is maths or whose main subject is not maths, and who may be unable to access local TSST provision for Core Maths.

What is involved?

Through three face-to-face work group meeting days (or equivalent), participating teachers will develop their practice to effectively teach mathematical concepts and processes through contextualized problem-solving, lead others in their own department to ensure an effective delivery of Core Maths courses, and promote and deliver a Core Maths course in a way that engages qualified students. Participants may work collaboratively with other institutions using a school-to-school support model.

The sessions will be run by Debbie Bland (CODE Maths Hub Level 3 Lead)

Maths Hubs Network Collaborative Projects 2020/21

Developing Pedagogy in A Level Maths

Overview:

In 2020/21, this project will run in Maths Hubs across England and provide support for developing the quality of teaching in response to the demands of the linear specifications for A level Mathematics and Further Mathematics. Run in partnership with the Advanced Maths Support Programme (AMSP), work groups in this project aim to develop existing A level pedagogy and support development of the requirements of the linear A levels and understand the purpose of the overarching themes in departments. Participants will gain confidence in leadership in departments and in developing others in their department.

Who is this for?

It is suitable for people leading development of mathematics teaching and learning in departments with A level provision and other experienced A level teachers.

What is involved?

Through three face to face work group meeting days (or equivalent), participating leaders of A level teaching or experienced teachers will develop their practice to effectively plan sequences of lessons which meet the requirements of the new A level, raise awareness in students of the links between mathematical topics within the new A level content, and support colleagues in their own schools/colleges in embedding themes from the course in their planning and delivery of new A level teaching.

The sessions will be run by Debbie Bland (CODE Maths Hub Level 3 Lead)