

Secondary and Post-16 Bulletin

Working with schools & colleges to support the continuous improvement of mathematics education for all students in the following local authority districts: Bath & North East Somerset, Bristol, North Somerset, Somerset & South Gloucestershire. The Maths Hubs Programme is funded by the DfE and coordinated by the National Centre for Excellence in the Teaching of Mathematics.

Welcome to the first edition of our dedicated Secondary and Post-16 Bulletin, bringing you news of upcoming events and notices. As we approach the end of the Spring term, with schools and colleges returning to full re-opening, we are reflecting on the amazing funded CPD which is continuing across our region. Maths Hubs' work has adapted to the unique circumstances we've all got used to, while continuing the activity that remains as important as ever: working together to make improvements to maths teaching and learning.

The Boolean *Non-Conference*

Recordings and materials available now!

On Saturday 23rd, over 300 people took part in the Boolean Maths Hub *Non-Conference*. In previous years the #CollaborationCounts conference would be held in person, however due to Covid-19, the hub moved to provide alternative online provision. Participants came from across the South West, England and from as far as Nevada, America!

All sessions on the day were recorded and the majority included pre-tasks, think-pieces, or research articles. This library of materials is now available, and free for all to use, on the conference page of the Boolean Maths Hub Website.

#CollaborationCounts

Post 16 maths teachers!
 Opportunity to join a community of Post 16 maths teachers at the ...
AMSP network meeting
 discussing TAGs for A level
30th March, 4.00 to 5.30, on Zoom,
 click to book
<https://amsp.org.uk/events/details/837>



2021/22 Secondary Mastery Specialist Programme

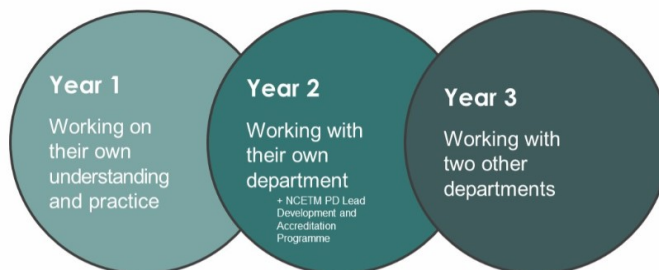
Applications are now open!

Following the continuing success of the Secondary Mastery Specialist Programme, **we are now seeking applications from secondary schools** that wish to nominate 'lead teachers' to take part in an important three-year professional development programme leading to the designation of *Secondary Mastery Specialist*.

Do you want to become a specialist in teaching for mastery and support your own and other schools to develop teaching for mastery approaches? Join the Secondary Mastery Specialist Programme. During the programme you will receive fully funded professional development from experts, have time to develop your own expertise, and then to support others. In addition to the national programme you would also be welcomed into the Boolean Local Leaders of Maths

Secondary Mastery Specialist Programme

A three-year journey



For further information, and to apply follow the link <https://www.ncetm.org.uk/maths-hubs-projects/secondary-mastery-specialists/>

Closing date 28 May 2021

Visit Boolean website

follow us on  @booleanmathshub



Secondary Teaching for Mastery Development Work Groups

Recruitment will be open shortly

If your schools wants to be involved, please complete this [online expression of interest](#) to ensure you receive the application information as soon as it is available.

Secondary maths teachers whose schools want to introduce and embed teaching for mastery can nominate two teachers (Mastery Advocates) to join a Work Group. You will be part of a locally-based group of teachers who meet regularly to develop professional knowledge and expertise, as well as receiving bespoke support.

What is the cost?

The Secondary Teaching for Mastery Work Groups project is fully funded by the Maths Hubs Programme so is free to participating schools. During Years 1 and 2 the school will receive funding of £2000 and £1000 respectively, for full participation, to help towards the cost of supply.

Optional preparatory work

There are various ways a school can engage with its local Maths Hub to start developing teaching for mastery. Some go straight into a Development Work Group as described below. Others get involved when one of their teachers trains to become a Mastery Specialist. A third route, which can come before or alongside the pathway below, involves joining a more tailored Work Group, for example:

- Mathematical Thinking for GCSE
- Years 7-11 Coherence
- Years 5-8 Continuity
- Secondary Subject Leadership

Development Year 1

Mastery Advocates develop their own thinking and practice, and begin to support departmental developments.

Development Work Groups

Two teachers from each of two schools become 'Mastery Advocates' within their own departments, working closely with a Mastery Specialist to understand the principles and practices associated with teaching for mastery.

Work may include:

- Planning lessons or longer units of work
- Supporting other members of the department
- Developing schemes of work and departmental systems and structures

Each school receives:

- Funding towards the costs of releasing Advocates
- Bespoke support from a Mastery Specialist
- Time working collaboratively in the Work Group

Embedding and Sustaining Year 2

Advocates and departmental members work together.

Membership of a professional learning community of schools.

Embedding and Sustaining Work Groups

Advocates and their departments (usually four to six) who have participated in a Development Work Group continue to work with a Mastery Specialist.

Work may include:

- Constructing and implementing a coherent development plan
- Collaborative design of lessons and schemes of work

Each school receives:

- Funding towards the cost of releasing teachers
- Support from a Mastery Specialist

Embedding and Sustaining Year 3 and beyond

Working together on planned developments within a professional learning community of schools.

Embedding and Sustaining Work Groups

Continuation of membership of a professional learning community of other departments, with meetings facilitated by a Mastery Specialist.

Advocates and their departments work on their department's plans, as well as engaging in professional development activities which harness the expertise and experience of members of the group.

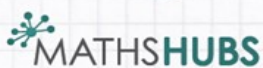
Secondary Mastery Specialists

A separate way for schools to develop teaching for mastery is for an individual maths teacher to become a Secondary Mastery Specialist. This sometimes happens after a school has been part of a Work Group.

During the two years of training, these teachers develop their own practice and that of their department. From the third year onwards, having received an NCETM accreditation to lead professional development, they lead Work Groups consisting of teachers from other schools.

At all times, they are supported by their local Maths Hub, and their school receives funding for work.

April 2021



Teaching for mastery in maths
secondary school pathways

Follow the link to learn from teachers who have taken part in a secondary Work Group vimeo.com

If you would like to know more please email **Geraldine Pearce, Teaching for Mastery Administrator** on geraldine.pearce@clf.uk.

Maths4Girls You may be interested in a new initiative aimed at getting more secondary age girls inspired to take maths beyond GCSE, and aim for degrees and careers with a significant mathematical content. The organisation, [maths4girls](https://maths4girls.org), arranges for women in such careers to talk to girls (and boys) in school.

Further support for secondary teachers ... an evidence-based [guidance document](#) to support discussions about recovery curriculum content and pedagogy is available, along with a series of ['Planning to teach...' videos and PowerPoint slides](#) offering advice on teaching crucial KS3 topics. CPD materials include a [one-hour training session](#) to help understand the implications for Year 7 of the DfE primary guidance.



Maths Hubs gear up for 2021/22



Maths Hubs projects have continued during the pandemic, albeit with almost all teacher-to-teacher contact being online. Next year, though, promises a return to going into classrooms together and face-to-face discussions. The programme is currently being finalised and recruitment will start during the summer term. Express interest [HERE](#) for further details about these exciting opportunities.

PROFESSIONAL DEVELOPMENT LEAD ACCREDITATION PROGRAMME 2021/22

Become an NCETM accredited PD Lead

APPLICATIONS ARE NOW OPEN!

"One of the main criteria for successful PD is that it stimulates new thinking – this certainly did that for me. Very thought provoking and inspiring."

This programme is for teachers of maths (all phases from Early Years to Post-16) who have existing commitments and responsibility for designing, leading and evaluating maths teacher professional development, and the potential to develop further.

Further information and application is available [HERE](#)

Apply by Friday 28 May 2021

With the successful adaptation to online provision, colleagues, from schools and colleges across the region, are participating in funded CPD this year led by our fantastic Local Leaders of Mathematics Education!

Secondary and Post-16 Work Groups now well underway ...

Teaching for Mastery Development
Teaching for Mastery Embedding and Sustaining
Teaching for Mastery Embedding Year Support

Year 5-8 Continuity
Mathematical Thinking for GCSE
SEND & Mathematics
Developing Pedagogy in A Level Mathematics
Developing Core Maths Pedagogy

Teachers are also taking part in the PD Lead Development & Accreditation Programme and the Maths SLE School Improvement Support Programme!

Would you like to get involved next year? Complete the EOI detailed above!



Are you an ITT Provider not yet involved with your local Maths Hub?

You may 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.

Have a look on our website [HERE](#)

Are you a Secondary Heads of Maths from Bristol & Surrounding Areas?

You are invited to attend Heads of Department meetings for which the agenda is written by you. The group welcomes colleagues from maintained schools in Bristol and surrounding areas. Meetings, hosted by Cabot Learning Federation and supported by the Boolean Maths Hub, are held three times a year (virtually at present).

The next meeting is Tues 29th June, 1.30-4.30 pm. Email linda.corbidge@clf.uk if you are a Secondary Head of Department and wish to join or receive further details.

You can unsubscribe or change your preferences any time by emailing BooleanMathsHub@clf.cabot.ac.uk



Latest news and updates from the NCETM ... March's [Secondary Round-up](#) looks at assessment - both for exam grades and more broadly - and at making the most of departmental meetings.

Visit Boolean website