

Welcome to the sixth edition of the...

Boolean Maths Hub Bulletin

If you are not yet on our mailing list or have any questions about anything referred to in this newsletter or generally about the Boolean Maths Hub, please contact our hub administrator Rhian Skinner at Booleam@clf.cabot.ac.uk

A message from the Maths Hub team

The team would like to thank everyone for getting involved with the Boolean Maths Hub this year. It's been an exciting (and very busy) year and we are extremely thankful to everyone who has been part of improving the achievement, attainment and enjoyment of mathematics across the hub region.

We are elated that so many maths education leaders, teachers and support staff have been involved in our range of professional learning events and courses; including 'Teaching for Mastery' and Level 3 coordination. You have reinforced the fact that collaboration counts!

We also like to offer our thanks to the members of both our Hub Board and the Strategic Leadership Group as well as the work group leads for their dedication to the Boolean Maths Hub and the Maths Hubs Programme.

We are excited about the commitment to funding from the government and are looking forward to sharing the new structures and opportunities available from September.

If you are looking to develop into mathematical education leadership, through the Boolean Maths Hub, please see the job vacancies overleaf which may be of interest to you. Further details available in September.

Thank you and have a lovely Summer break.



From September we will be running more SKE courses:

- Mathematical Confidence & Growth Mindset (primary)
- Mastering Maths through Subject Knowledge Enhancement (primary)
- Developing Maths Teaching Through Subject Knowledge Enhancement (secondary)
- Enhancing GCSE Mathematics Teaching (FE)

Book your spaces now - contact Rhian Skinner

Teaching for Mastery Update from Clare Christie

You may have seen the announcements in the national press last week of a £41m funding boost to provide support for 8,000 schools to develop a mastery approach; this is fantastic news for those who, like us, have seen the benefits of a teaching for mastery approach in mathematics. This funding will allow for the training of 140 mastery specialists a year over 5 years (4 per hub each year). Our second cohort of mastery specialists is about to start training, meaning that Boolean will have specialists in Corsham, Swindon, Bristol, South Glos and Weston Super Mare. Each year our mastery specialists will work with 6 schools to support them with embedding teaching for mastery approaches through 'Teacher Research Groups' and in school support. Over 5 years, the (by then) 700 mastery specialists will be able to work directly with 8000 schools through this model. Whilst our recruitment for this coming academic year is complete, Boolean will be running other workgroups for schools interested in developing a teaching for mastery approach in mathematics.

Our primary subject knowledge courses will be running again this year. We hope to be running additional cohorts of these right across the region, and will confirm exact locations and dates at the start of the Autumn term. These have turned out to be an excellent first step to mastery for schools interested in embedding the approach: solid pedagogical content knowledge is an absolute pre requisite of teaching for mastery. For more information and to reserve spaces please contact our Maths Hub Administrator (details at the top of the page).

SPOILER ALERT! - We are also very excited to announce that we will be hosting two teachers from Shanghai for two weeks in the new academic year, who will be based at Mangotsfield C of E Primary School. We are awaiting confirmation of dates, but we will be running open classrooms during their visit, with an opportunity to observe a teaching for mastery lesson and join a 'teacher research group' discussion afterwards. Finally a group of schools in North Somerset will be running a workgroup looking at how mastery approaches apply to Early Years settings, and how schools can 'track back' from the KS1 curriculum to build firm foundations in Reception.

We have had lots of requests for video material of mastery lessons, and are pleased to let you know that there will also be some new videos of mastery lessons in English classrooms (including a Year 1 lesson on difference and a Year 4 lesson on tenths) being added to the NCETM teaching for mastery area soon. Do keep checking here for those <https://www.ncetm.org.uk/resources/48209>

Core Maths CPD

Are you teaching Core Maths from September? Would you appreciate some professional development for teaching this course? We will be running sessions in the autumn term. Please contact us for more details.

The second, two day, **Get Ready for A Level Mathematics Summer School** is taking place at St Brendan's Sixth Form College on Monday 22nd and Tuesday 23rd August. The interest this year has been very good but we can still offer spaces to another ten students. If you are in contact with any students or parents please ask them to contact Rhian Skinner (contact details overleaf) who will provide them with all the information they need. This Summer School is open to students who will be studying at any sixth form centre across the region. We would like to thank in advance all the teachers who are giving up their time during the summer holidays to deliver these days.



If you know of a teacher who would like to re-train as a Maths teacher there are spaces available on the TSST programme starting in September. Please contact us for more detailed information.

New opportunities coming in September

Level 3 Lead

(approx. 1 day per week)

The successful candidate will be part of the leadership team structure. The main duties will be to co-ordinate and manage our Level 3 workgroups.

Teaching for Mastery Lead - Secondary

(approx. 1 day per week)

The successful applicant, to this new position, will work alongside our Teaching for Mastery Lead, as a member of our leadership team, to co-ordinate and manage workgroups with elements of teaching for mastery.

Maths Hub Administrator

(full time position, term time only)

The Maths Hub Administrator provides vital communication, administrative and logistical support to the hub leadership team. Due to the recent funding commitment we are looking to expand this position to a full time role.

Expressions of interest to Rhian Skinner (contact details overleaf)

The **Teaching Advanced Mathematics course** mentioned below is a year long course focusing on developing the teaching skills and subject knowledge of teachers new to teaching A Level Mathematics

Upcoming events

September (various dates) - SKE courses begin
26 September - Day 1 Teaching Advance Mathematics course
4 October - Mastery in Action Day
18 October - MEI Underground Mathematics A Level course
15 November - Mastery in Action Day
25 & 26 November— Days 2 & 3 Teaching Advanced Mathematics course

NCP4 - KS3 Reasoning Work Group

Reasoning is one of the three core elements of the new national curriculum.

The aim of the work group is to develop the practice and culture in departments to improve their and their colleagues' confidence when addressing the reasoning component of the new secondary maths curriculum.

This year the work group consisted of pairs of teachers from 5 different schools/academies from across the region who met, along with a HEI, in four workshops across the year.

In between each meeting, the participating work group teachers led teacher research group (TRG) style professional development with their colleagues in their own schools/academies, and then in the next meeting of the work group reviewed and reflected together on the success of the activities.

Participants took much from the work group and have adapted practices in their own schools/academies from their experiences and findings.

This work group will run again next academic year with two cohorts, the first going deeper, whilst a new second cohort following the original structure.

More details will be available in September, as will the deadline for expressions of interest for both cohorts.

Regional Bursary Projects

We are continuing to offer bursaries of up to £500 for action based research projects to deliver local needs of our hub region.

Bids for bursary proposals can come from individual Hub members, faculties, TSA, local Masters/leadership programmes (e.g. NPQSL), the STEM centre etc..

For more information as to how/when to apply please contact rhian.skinner@clf.cabot.ac.uk

The popular Mastery in Action Days which took place recently at St Stephen's Junior School are being offered again on 4th October and 15th November. To reserve spaces please contact Rhian Skinner.



The University of Bristol will again be running their collaborative video club where a group of ten teachers over six sessions explore and share experiences of their classroom experience. If you would be interested in joining this group please contact alf.coles@bris.ac.uk



follow us on
twitter
[@booleanmathshub](https://twitter.com/booleanmathshub)



Don't forget to visit our website for updates between newsletters <http://www.booleanmathshub.org.uk/>