

Welcome to the first edition of the Boolean Maths Hub termly bulletin

Hub Launch

Thank you to everyone who braved the wintery weather to attend the Boolean Maths Hub launch on 13th January at Bristol Metropolitan Academy.

Keynote speakers at the event were Tom Winskill, Senior HMI for Ofsted and Charlie Stripp MBE, Director of NCETM and MEI.

The night was a great success with participants taking part in a choice of workshops including Core Maths, Shanghai Text Books, Mechanics for the new GCSE and Manipulatives, Mastery & Calculation.



Breakdown of First Year Workgroups

National Collaborative Projects

- China-England research and innovation project.
- Use of high quality text books.
- Post-16 Participation.

Hub Initiated

- Raising local Post-16 participation.
- Level 2 to 3 Summer School
- Primary SKE
- Secondary SKE+
- Primary-Secondary Transition

Hub Supported

- SKE based in Somerset.
- FMSP staff CPD & student enrichment mornings.
- CPD collaboration with the University of Bristol.

Subject Knowledge Enhancement Courses

Primary SKE course

Aims to develop:

- Deeper subject knowledge in key areas of mathematics.
- Identify and teach for misconceptions
- Design, present and reflect on pupil-centred learning
- Impact evaluation

Secondary SKE+

Focus on Pedagogical Content Knowledge (PCK)

ensuring that a professional's increase in confidence and subject knowledge can be translated into impact in the classroom and hence improve students mathematical progress.

Due to popular demand, a second cohort of each of these FREE courses is due to start after Easter.

These courses are a combination of half-day and twilight sessions and will require an agreement of attendance from your establishment.

Do you know of anyone who would be suitable and interested in taking part?



The implementation of Core Maths for is continuing to advance with each Maths Hub nominating three Early Developer establishments as well as supporting the original regional Early Adopters.

The new Early Developers are tasked with creating and developing teaching and CPD material in preparation for teaching the course in September and to support other institutions in introducing the course. The Early Developer institutions for the Boolean Maths Hub are Bristol Metropolitan Academy, Wellsway School and South Wilts Grammar School.

For more information on Core Maths, contact your Core Maths Leads for this region. There are also national information days in the near future, details are overleaf. Further information can be obtained from the NCETM website or by contacting the Hub.

China-England research and innovation project

Mandy Milsom, Executive Primary Principal from the CLF, Sal Edwards from Begbrook Primary Academy & Mike Eatwell from Fishponds Academy visited Shanghai in the Autumn term & learned from schools there about mathematics teaching.

Since then 6 primary academies in Bristol have been collaborating to implement approaches observed to improve attainment & progress with children's mathematics in the primary phase.

We are excited to welcome two teachers from Shanghai who will be joining us in February. We are hoping to share the practice observed in Shanghai with a wider audience, across the city & further afield. We have 100 teachers booked for observation/facilitation days. Places were fully booked within 48 hours, given the excitement & importance of the project.

We will also be holding an evening event on the 16th March at the University of Bristol in addition to posting lessons & write-ups on our website. Please contact Rhian Skinner for further details.



Use of high quality text books - Inspire Maths

Rationale/Aims:

- Provides opportunities for problem solving
- Emphasis on the development of the intellectual competence, such as the ability to visualise
- Conceptual understanding
- Systematic development of skills and concepts; the spiral approach
- Emphasis on the C-P-A approach
- Guides children into making connections between different areas of mathematics
- Textbooks give structure and a systematic approach



This workgroup started in January across three primary schools: Wallscourt Farm Academy, Frome Vale Academy & Minerva Primary Academy. Initial training took place in London and the curriculum began immediately after in the primary academies. Whilst in it's infancy, the workgroup shows promise. We will keep you updated as this develops. For more details & guidance please follow the link below: <https://www.ncetm.org.uk/files/21383193/NCETM+Textbook+Guidance.pdf>

Post-16 Participation



Highlights so far:

- Enrichment mornings for Year 10s have started in collaboration with the FMSP. (Fully booked for March but more sessions can be made available.)
- Promoting girls to take Mathematics at Post 16. Link to fantastic promotional posters from 'Good Housekeeping' [here](#).
- Maths Hubs are supporting the 'Your life' campaign. Find resources & how to get involved: <http://www.yourlife.org.uk/>.
- National workgroup relating to High Participation Providers & Low Participant Providers - **Would you like to get involved?**

The second year of the Maths Hubs is fast approaching - Get involved!

- Do you have a research project that the maths hub could support?
- Do you run or need CPD?
- Would you like to share your expertise in mathematics education?
- Do you have an idea that could improve students' mathematics experience and raise attainment?
- Take part in free maths contests from Sumdog for primary and early secondary schools in South Gloucestershire, Somerset and Wiltshire. They'll run between Friday March 13 and the following Thursday. Get involved at <http://www.sumdog.com/enter>.
- Do you have articles, leaflets and photos to post on the website.

Dates for your diary

- Ted
- Further Pure
- UoB– Chinese teacher 16th MArch
- TSM Residential Workshop in Keele, 4-7th July
- Core Maths Information days 2nd March York 4th March London
- SouthWest CPD meeting

For further information please contact Rhian Skinner:
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