

Teaching for Mastery Work Groups:

Multiplicative thinking and Oracy in Maths



Teaching for Mastery Work Groups: Multiplicative thinking and Oracy in Maths

South Yorkshire Maths Hub is utilising its **Teaching for Mastery Work Groups** as a vehicle for providing bespoke, evidence-informed continuous professional development that directly addresses the priorities identified across Barnsley primary schools: **developing oracy in mathematics and strengthening pupils' multiplicative thinking**. Participating schools will engage in a programme of core training sessions and collaborative school visits, led by experienced Work Group Leads. The programme will begin and end with borough-wide sessions, bringing together all participating Barnsley schools to establish a shared understanding of the programme's aims, celebrate progress and reflect on impact. **Headteachers** will be invited to attend the initial session along with the **Maths Lead**, which will outline the rationale for the programme, its intended outcomes and the importance of securing whole-school commitment to the development process.

Sessions 2, 3 and 4 are aimed at **Maths Leads** and will be delivered through smaller Teaching for Mastery Work Groups, each facilitated by a designated Work Group Lead and following its own schedule of dates. These sessions will include opportunities to observe live mathematics lessons in practice, enabling participants to see key approaches to developing multiplicative thinking and mathematical oracy in real classroom contexts. Schools will work together, observe effective practice, share expertise and reflect on the implementation and impact of approaches within their own settings. Through this sustained programme of professional learning, schools will benefit from ongoing support, collaborative reflection and the sharing of successful strategies, helping to strengthen mathematics teaching and learning across Barnsley.

Wider teaching staff will also have the opportunities to access three phase-specific **online sessions** (KS1, LKS2 and UKS2) design to enhance subject knowledge of multiplicative thinking, deepen understanding of mathematics pedagogy and explore how purposeful mathematical talk can be used to improve learning and pupil outcomes. These sessions will also be recorded and accessible for participating schools to use internally as part of their wider professional development offer.

Dates and Content:

Session 1: Thursday 15th October 2026 (9am - 3pm) @ BHF Priory Centre
Headteacher AM only - Maths Lead AM and PM

Vision and culture, implementation (prepare - including maths lead scheduling), sharing key messages.
Understanding mathematical thinking/oracy, collab planning and knowledge development.

Session 2 - Maths Leads. Individual Work Groups will receive their own schedule and host school.
Live multiplicative lesson and collaborative planning.

Session 3 - Maths Leads. Individual Work Groups will receive their own schedule and host school.
Live multiplicative lesson and collaborative planning.

Session 4 - Maths Leads. Individual Work Groups will receive their own schedule and host school.
Live multiplicative lesson and collaborative planning

Session 5- Monday 21st June 2027 (9am - 12pm) @ Unit 5
Maths Lead only
Where are we now?

Focus Theme Sessions: These half-day sessions will develop participants' subject and pedagogical knowledge of multiplicative thinking and oracy across the primary phase. Each session will focus on a different key stage: Key Stage 1, Lower Key Stage 2 and Upper Key Stage 2 and explore how these approaches can strengthen lesson design and classroom practice. All sessions will be recorded for future reference.

Collaborative School Visits: Participants will take part in a series of half-day collaborative school visits, arranged at times that suit both the Work Group Lead and participating schools. These visits provide an opportunity to reflect on how oracy and multiplicative thinking are being embedded across the setting through activities such as collaborative planning, lesson observations, learning walks, book looks and other school-led evaluation activities. Participants will work together to identify strengths, share effective practice and reflect on next steps for implementing Teaching for Mastery with fidelity.

Facilitated by:

Gemma Briggs and Jodie Burgin, Assistant Maths Hub Leads for the South Yorkshire Maths Hub Work Group Leads from the Barnsley Schools.

Audience:

Refer to specific dates for a more accurate audience: Headteachers and Maths Subject Leaders

Cost:

This programme is fully funded by South Yorkshire Maths Hub and Barnsley Schools' Alliance.

Venue:

Refer to specific dates for a more accurate Location:

BHF Priory Centre, Priory Campus,
230 Pontefract Rd, Barnsley S71 5PN

Unit 5, Great Cliffe Court,
Dodworth, Barnsley, S75 3SP

To reserve a place on the programme, please click the button below:

BOOK NOW

