**Mastering Number at KS2**

Information for Schools and Application 2023/24

In 2023/24, Maths Hubs will be offering schools the opportunity to engage in Mastering Number at KS2 Work Groups.

Knowledge of multiplication and division and its applications forms the single most important aspect of the KS2 curriculum and is the gateway to success at secondary school. It is also a key area that pupils often struggle with. Automaticity with multiplication tables relieves cognitive load and develops pupils’ confidence to achieve success.

The project offers schools that are involved in Mastering Number at Reception and KS1, and are also in a Sustaining Work Group, the opportunity for teachers to develop the knowledge and skills to secure good multiplicative number sense and automaticity in times tables. The programme will focus on Years 4 and 5. Junior schools who are in a Sustaining Work Group may also apply.

Mastering Number at KS2 Work Groups

What does it involve?

* Identification of a lead teacher in both Year 4 and Year 5. They will be provided with teaching materials to be used in Year 4 and Year 5, and are expected to use these resources for five short sessions each week, aimed at developing children’s fluency and flexibility with number. They will also be expected to support colleagues in their own year group to use the resources with their classes.
* Lead Teachers will engage in online workshops, once a term, as well as a local session once a term with their Work Group Lead. They will use prepared materials in the form of teacher guidance and daily class resources, which will be provided. They will also support all other teachers in their school in Years 4 and 5 to use the materials effectively, and work collaboratively to develop their understanding of children’s progression in developing automaticity in multiplication and division facts and the ability to apply these facts to a range of contexts.
* Lead Teachers will also be expected to engage with teachers from other schools through a local online community to reflect on their practice and the progress of their pupils.

Expected commitment of participating schools

Schools that participate in the programme commit to the following expectations:

* The school will introduce Mastering Number in all Year 4 and Year 5 classes, in addition to their daily maths lesson.
* Each teacher (Year 4 and Year 5) will work with their whole class five days per week, using the Mastering Number Programme, to develop children’s deep understanding and confidence of multiplicative relationships and automaticity of facts.
* Teachers will be expected to contribute regularly to local online Work Group activity, led by the Work Group Lead, reflecting on the implementation and impact of the programme, from autumn term 2023 to summer term 2024.
* Participants in the project will engage in all online professional development, including three national live online sessions (in Sept/Oct 2023, January 2024, and April 2024) and three local Work Group sessions (in the autumn 2023, spring 2024 and summer 2024 terms).
* The school will provide any feedback required by the Maths Hub and participate in any evaluation processes required.
* The school’s leadership team will ensure attendance and full engagement at programme events and will support Lead Teachers in their development of the wider staff.

Who can apply

If your school can answer yes to the following questions, then you can apply:

* Are you in a Sustaining Work Group?
* Have you also completed at least a year of the Mastering Number at Reception and KS1 Programme, and are continuing to use the materials?
* Are your teachers in Year 4 and 5 able to commit fully to this project?

If you are junior school in a Sustaining Work Group and your teachers in Year 4 and 5 are able to commit fully to this project, you can also apply.

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Funding

The Mastering Number at KS2 Work Groups are fully funded. There is no charge to schools.

How to apply

Schools interested in applying to be part of this Work Group in 2023/24 should complete the application form below and submit it, by email, to East Midlands East Maths Hub, enquiries@ememathshub.org.

Once the school has applied, East Midlands East Maths Hub will then make contact with you to explain next steps. Application does not automatically mean that you will be offered a place as there are limited places available.

 Mastering Number at KS2 Application Form

**Maths Hub**

|  |  |
| --- | --- |
| Which Maths Hub are you applying to? |  |

**School details**

|  |  |
| --- | --- |
| Name of school |  |
| Address |  |
| School URN |  | Contact telephone number |  |
| Name of headteacher |  | Email (\*) |  |
| Local Authority |  |

***\*It is essential that we have the Headteacher’s email address and not the office or another staff member’s email address instead due to the administration process for the school to be set up correctly.***

**Details of Lead Teacher 1 (Year 4)**

|  |  |
| --- | --- |
| Name |  |
| Email |  |
| Teacher reference number (TRN) |  |

**Details of Lead Teacher 2 (Year 5)**

|  |  |
| --- | --- |
| Name |  |
| Email |  |
| Teacher reference number (TRN) |  |

**Details of Subject Lead**

|  |  |
| --- | --- |
| Name |  |
| Email |  |
| Teacher reference number (TRN) |  |

 **Details of main contact at the school for Mastering Number**

|  |  |
| --- | --- |
| Name |  |
| Email |  |
| Teacher reference number (TRN) |  |

**School context**

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| Pupil premium (2022/23) |
| % of current pupils in the school who are eligible |  |
| % of current Year 3 pupils who are eligible  |  |
| % of current Year 4 pupils who are eligible  |  |
| Multiplication tables check attainment – Year 4 2022 |
| Mean average score of all Year 4 pupils who took the multiplication tables check in 2022 |  |
| Percentage of pupils who scored 25 |  |
| Any other relevant contextual information  |  |

**Headteacher statement**

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| Please give details of why you wish the school to participate in the Work Group and why you believe that Mastering Number at KS2 is suitable for your school. If you have evidence of impact of teaching for mastery/Mastering Number at Reception and KS1, please communicate this here.  |
|  |

**Confirmation of school commitment (electronic signatures)**

If we are chosen to participate in the Work Group, we understand and commit to the following expectations:

* The school will introduce Mastering Number in all Year 4 and Year 5 classes, in addition to their daily maths lesson.
* Each teacher (Year 4 and Year 5) will work with their whole class five days per week, using the Mastering Number Programme, to develop children’s deep understanding and confidence of multiplicative relationships and automaticity of facts.
* The Lead Participants will participate in all the online professional development sessions.
* Teachers will contribute regularly to local online Work Group activity, led by the Work Group Lead, reflecting on the implementation and impact of the programme, from autumn term 2023 to summer term 2024.
* The school’s leadership team will ensure attendance and full engagement to the Work Group activity and will support Lead Teachers in their development of the others.
* The school will provide any reports required by the Maths Hub and participate in any evaluation processes required.
* The school will continue to engage with the Maths Hub for the year 2024/25 and beyond.

|  |  |
| --- | --- |
| Headteacher | *Signature of headteacher* |
| Lead Participant 1 | *Signature of Lead Participant 1* |
| Lead Participant 2 | *Signature of Lead Participant 2* |

*(Note: When the form is emailed to your chosen Maths Hub, please copy all those above in confirmation of their electronic signature.)*