**Mastering Number Programme:**

**Reception and Key Stage 1**

Information and Application- Starts September 2022

The Mastering Number Programme will develop solid number sense, including fluency and flexibility with number facts, which will have a lasting impact on future learning for all children. The programme will also involve high quality professional development for teachers.

Cambridge Maths Hub is now seeking to recruit schools to join the Work Group for this programme, to start in September 2022.

A school’s participation involves teachers from each of Reception, Year 1 and Year 2 (in one-form entry schools), the maths subject lead, and the headteacher. In small schools, there may be just one or two participating class teachers. In larger, multi-form schools, it is expected that lead teachers support colleagues in Reception and KS1 to adopt the same approach in their classes, to ensure consistency across the school.

Background

Since 2014, the NCETM and Maths Hubs have been working together to develop [approaches to teaching for mastery](https://www.ncetm.org.uk/teaching-for-mastery/) within primary maths. Thousands of schools have benefited. The Mastering Number Programme is wholly consistent with teaching for mastery.

For schools in the Mastering Number Programme, children in Reception, Year 1 and Year 2 will have a daily teacher-led session of 10 to 15 minutes, designed to ensure that pupils develop fluency with, and understanding of, number that is crucial to future success in maths and academic progress more generally.

The central programme

The core professional development programme will be delivered by an experienced team from the NCETM, led by the NCETM’s Director of Primary Mathematics, Debbie Morgan. It will involve the lead teachers, maths subject lead and headteacher engaging in a range of synchronous and asynchronous online professional development, including three live training sessions, across the academic year.

Teachers will be expected to deliver a daily Mastering Number session of 10 to 15 minutes. In KS1, this will be in addition to their daily maths lesson, which may be a little shorter as a result. Resources, including lesson plans and visual resources will be provided. In Reception, the Mastering Number materials can be used to teach the number part of the Early Years Framework, alongside your enhanced provision.

Work Group

The Work Group will consist of up to 40 schools and will be led by a professional experienced in early maths and in leading professional development in the Cambridge Maths Hub area. During the year, teachers in the Work Group will work together to share experiences and reflect upon the impact of the programme on their pupils and on themselves as teachers. The Work Group Lead will facilitate and steer regular discussion among participants in a dedicated online community. This ongoing cross-fertilisation of experiences, ideas and successes will create a vibrant and sustained professional learning experience for all those taking part. It will also significantly benefit pupils in the participating schools. In addition to the three live central training sessions above, there will be three live sessions led by the Cambridge Maths Hub Work Group Leads.

Benefits for participating schools

Participation in the Work Group will provide the following benefits to participant schools:

* High quality support for teacher professional development for the lead teachers, directed by the NCETM and facilitated by the local Maths Hub
* Supportive and collaborative online community facilitated by the Work Group Lead
* Resources provided, including coherent plans for the Mastering Number daily sessions in Reception, Year 1 and Year 2
* No charge for participation.

Who can apply?

Any primary school can apply. Should the programme be oversubscribed, priority will be given to schools with the highest levels of disadvantage. Early applications will be welcomed.

Expectations of participating schools

Schools chosen to participate in the Work Group commit to the following expectations:

* Teachers will be expected to deliver a daily Mastering Number session of 10 to 15 minutes. In KS1, this will be in addition to their daily maths lesson (which could be shortened as a result of participation in this Work Group). In Reception, the Mastering Number materials can be used to teach the number part of the Early Years Framework, alongside their enhanced provision.
* Teachers will be expected to contribute regularly to an online community led by the Work Group Lead, reflecting on the implementation and impact of the programme.
* Participants in the project will engage in all online synchronous and asynchronous professional development throughout the academic year, including three live central training sessions led by the NCETM and three local sessions led by Cambridge Maths Hub WG Leads.
* 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 at programme events and will support Lead Teachers in their development of the wider staff.

Funding

There is no charge to schools participating in the programme.

Rekenreks

Whilst digital rekenreks are freely available online, schools taking part in the September start cohort of this programme may wish to consider purchasing class sets of physical rekenreks for Year 1 and Year 2 prior to the start of the programme. In Reception, Rekenreks are used for the final half term of the year.

How to apply

Schools interested in applying to be part of a Work Group in 2022/23 should complete the application form below and **email to** [**admin@cambridgemathshub.org**](mailto:admin@cambridgemathshub.org).

**Closing date: Monday 18th July 2022**

Mastering Number Work Group

Application Form

*Please complete and return to* [*admin@cambridgemathshub.org*](mailto:admin@cambridgemathshub.org)before **18th July 2022**.

**School details**

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| --- | --- | --- | --- |
| Name of school: | | | |
| Address: | | | |
| School URN: | % FSM: | | %EAL: |
| Name of Headteacher: | | Email: | |

**Details of lead teacher (Reception)**

|  |  |
| --- | --- |
| Name |  |
| Email |  |
| Teacher reference number (TRN – details of how to find this are [here](https://www.gov.uk/guidance/request-a-reminder-for-a-teacher-reference-number-trn)) |  |

**Details of lead teacher (Year 1)**

|  |  |
| --- | --- |
| Name |  |
| Email |  |
| Teacher reference number (TRN – details of how to find this are [here](https://www.gov.uk/guidance/request-a-reminder-for-a-teacher-reference-number-trn)) |  |

**Details of lead teacher (Year 2)**

|  |  |
| --- | --- |
| Name |  |
| Email |  |
| Teacher reference number (TRN – details of how to find this are [here](https://www.gov.uk/guidance/request-a-reminder-for-a-teacher-reference-number-trn)) |  |

**Details of Subject Lead**

|  |  |
| --- | --- |
| Name |  |
| Email |  |
| Teacher reference number (TRN – details of how to find this are [here](https://www.gov.uk/guidance/request-a-reminder-for-a-teacher-reference-number-trn)) |  |

**Headteacher statement**

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| Please give details of why you wish the school to participate in the Work Group including any contextual information which may mean that pupils in Reception, Year 1 and Year 2 would benefit from the Mastering Number programme. You may wish to comment on how your children have been affected through the coronavirus pandemic, and priorities for maths in your school (up to 250 words). |
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**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 Reception, Year 1 and Year 2 classes. In KS1, this will be in addition to their daily maths lesson, (which could be shortened as a result of participation in this Work Group). In Reception, the Mastering Number materials can be used to teach the number part of the Early Years Framework, alongside enhanced provision.

• The lead teachers will contribute regularly to an online community led by the Work Group Lead, reflecting on the implementation and impact of the programme including two online sessions in 2022/23

• Participants in the project will engage in online synchronous and asynchronous professional development including six live sessions throughout the academic year.

• The school will provide any feedback required by the Maths Hub and participate in any evaluation processes required.

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| --- | --- |
| Headteacher |  |
| Maths Lead |  |