

Subject Knowledge for the Teaching of Mathematics (SKTM) - Teaching Assistants

2019-20 Information and Expression of Interest

The London Central and West Maths Hub are currently recruiting schools to take part in the first year of an innovation Project on ‘Subject Knowledge for Teaching Assistants’.

This document provides details of the project and how to apply.

The closing date for application is **Friday 15th November 2019**

The Rationale:

As a result of this project, participants will not only be able to ‘do’ mathematics, but will also have the appropriate pedagogical knowledge to support their class teachers and pupils well.

Participants will develop both their knowledge about maths and knowledge about the teaching of maths, developing better pedagogy and being aware of how pupils learn, and how to support the teaching of the content most effectively. Classroom practice will develop through participants’ engagement with gap tasks between meetings, trying out activities with pupils to promote understanding, reasoning and fluency.

TAs will develop knowledge of the pedagogy of maths teaching and understand how children think and where their misconceptions stem from. Participants will understand the role that certain representations, models and manipulatives can play in the development of pupils’ understanding of number and calculation, particularly place value and proficiency. Those involved will get better at working within classes and with small groups of pupils; they will gain knowledge of practical ways to apply the skills and understanding developed during the programme.

What does the project involve?

The project will involve four days of training (from 9.30am – 2.30pm). These sessions will focus on development of theory, pedagogy and give TAs practical ideas that they can take back to is in their classrooms. The sessions will cover key subject knowledge in ‘Number Sense’, ‘Addition and Subtraction’ and ‘Multiplication and Division’.

There will be gap tasks following each of the training sessions, in which participants must trial the approaches explored in the training.

It is a project requirement that the **identified TA/s attend ALL the sessions. In addition, it would be greatly beneficial for the Class Teacher to attend the first hour of the first session along with their TA.**

The project’s aims involve supporting teachers to:

- Develop knowledge, understanding and experience of reasoning in relation to working with number.
- Develop the teaching assistants’ approaches required to increase pupils’ experience of number reasoning, language and problem solving
- Develop an understanding of how and where misconceptions can occur, and how to address them.

Who can apply?

Participants are expected to be working in a classroom as a teaching assistant. They should be working in a classroom environment and/or be involved with individual or small group support and intervention. This Work Group has limited space and therefore each school can only send a maximum of 2 teaching assistants. (It can be just 1). ***Class teachers or the Maths Lead of the school need to come to the first session ONLY.***

What are the expectations of participating schools?

- The delegates will participate fully in all the workshops: attendance and contributing and leading discussion
- The delegates will carry out the gap tasks between the workshops
- The delegates will carry out pre and post assessments
- The school senior leadership will support the lead participants in participating fully in the project and in maximising the benefit to the school and ensuring appropriate staff attend the sharing presentation with their teachers.
- Evaluations must be completed after every session and at the end of the project.

Participation in the Work Groups is **free**, but we reserve the right to charge schools for the full cost if participants fail to attend.

How do schools apply to take part?

Schools interested in applying to be part of a Work Group in 2019-20 should complete the expression of interest form below and submit to your Maths Hub. Please email applications to Michelle Foster on michelle.foster@lcwmathshub.co.uk.

The Maths Hub will then make contact with you as to whether you have been successful in getting onto the project.

Expression of interest to participate in the Subject Knowledge for the Teaching of Mathematics (SKTM) – Teaching Assistants

(Please complete and return to your Maths Hub by Friday 15th November 2019)

Name of school	
School URN	
Maths Hub	London Central and West
Nominated Teaching Assistant Name and Email:	
Nominated Teaching Assistant NCETM username (if they do not have one, please go to www.ncetm.org.uk to set one up for free):	
Optional Second Teaching Assistant Name and Email:	
Optional Second Teaching Assistant NCETM username (if they do not have one, please go to www.ncetm.org.uk to set one up for free):	
Please state what year groups the participants work within	
Please state what role the participants have in the school (group work, whole class environment, 1-1 etc)	

<p>Will SLT support the teaching assistants to complete gap tasks throughout the project and have the space to share with other staff in the school?</p>	
<p>Will the Maths Lead or the class teacher working closely with the Teaching Assistant attend the first session?</p>	

<p>Please explain briefly (A maximum of 350 words) why the school wishes to participate in the project Work Group – and strengths in any existing practice in relation to this area. Please outline if you use an existing scheme or resource to support planning mathematics in your school</p>	
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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 nominated teaching assistants will participate fully in all the workshops
- The nominated teaching assistants will carry out the gap tasks between the workshops
- The school senior leadership will support the participants in participating fully in the project and in maximising the benefit to the school.
- The class teacher will accompany the teaching assistant for the first date

Head Teacher/Senior Leader	<i>Signature of Head Teacher/Senior Leader</i>
Teaching Assistant 1	<i>Signature</i>
Teaching Assistant 2 (if applicable)	<i>Signature</i>
Class Teacher or Maths Lead accompanying for first session	<i>Signature</i>

(Note: When the form is e-mailed, please copy in all signatories as confirmation of their electronic signature)