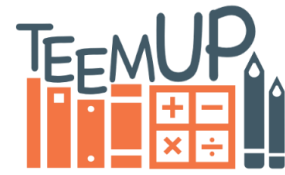


## Teaching Effective Early Mathematics and Understanding in Primary (TEEMUP) Schools Study

***Did you know young children's early maths achievement and self-regulation are powerful predictors of later life success? Poor early years maths knowledge is linked to a greater likelihood of poor life outcomes.***



### Schools' Information Sheet

TEEMUP is a 2-year study, centred on evidence-based professional development (PD) designed to support the mathematical outcomes of children in YR and Y1. The Oxford TEEMUP PD delivery team is led by Prof. Iram Siraj, Dr Denise Kingston and Prof. Edward Melhuish, with ethical approval from Oxford University. It provides PD for a minimum of 1 teacher from YR *and* Y1 (with an optional 3<sup>rd</sup> member of staff) and involves 3 components: face-to-face workshops; an online 'knowledgebase' (with additional resources, materials and discussion forums); and coaching and mentoring offered in schools.

The Oxford TEEMUP PD is being independently evaluated by York Trials Unit (YTU) at the University of York. The study is funded by the Education Endowment Foundation (EEF). We are looking for **100 state-funded primary schools in the East of England and bordering local authorities** to participate in the study, which is evaluating whether the Oxford TEEMUP PD improves children's mathematical and self-regulation outcomes in YR and Y1.



## TEEMUP *with us!*

### ***What are the benefits for my school?***

- 50 schools will have access to the Oxford TEEMUP PD for FREE during the project; 50 schools will be offered the PD at a much-reduced price at the end of the project, if it is successful.
- Teachers will be supported to enhance the mathematical *intent, implementation* and *impact* of mathematical teaching in their classrooms (Ofsted 2019).
- All schools who take part receive £750.

### ***About the Professional Development***

The Oxford TEEMUP PD is evidence-based and has already shown positive improvements in practice and child outcomes in other trials. It allows teachers to:

- explore best practice in mathematics teaching,
- work together to support transitions into and across classrooms,
- effectively engage the home in their children's education,
- build their mathematical confidence, knowledge and understanding,
- explore novel techniques to strengthen children's self-regulation,
- and effectively self-evaluate, plan for improvement and monitor their own and children's progress.

### ***What does the Professional Development involve for participating teachers?***

Teachers will receive specialist training from the Oxford TEEMUP PD team in how to support children's mathematics and self-regulation. Teachers will be offered:

- **2 full days (9.30-16.00) and 8 half day (14.00-17.45) face-to-face workshops.** Two consecutive days followed by 7 half day sessions once a fortnight in Spring 2022, allowing time between sessions to use the new ideas and activities and involve other staff within their team. The final follow-up workshop will be offered in 2023.
- **Specialist coaching/mentoring in schools.** Following the workshops, this will provide needs-based support for implementing changes, adapting the approaches to suit the school's context and children/families, and getting other staff (e.g. Teaching Assistants) involved.



- **Dedicated knowledgebase.** The Oxford TEEMUP PD online platform will extend PD learning by offering practical teaching resources, background materials, and information and ideas to support families at home.

**What will we ask the 100 schools to do?**

Half of the schools will be chosen at random to receive the Oxford TEEMUP PD for **FREE** from **January 2022**. The other 50 schools will continue as normal, forming the important ‘control group’ and will be offered the PD at a much-reduced price at the end of the study, if the PD is successful. Randomly selecting schools to initially receive the Oxford TEEMUP PD is the best way to find out the impact it has on children’s attainment.

**ALL schools will be expected to:**

- Agree and sign the Memorandum of Understanding (MoU).
- Share information about the project with YR parents (2021 cohort and 2022 cohort) and offer them the chance to withdraw their child from data collection during the study.
- Share school and child information with the evaluation team.
- Collaborate with the YTU Evaluation Team to complete short mathematical assessments in October/November 2021 with YR, and in June 2023 with the same children (now Y1) and also the next cohort of children nearing the end of YR. YTU researchers will carry out this short assessment with at least 15 children in each year group. Class teachers will be asked to complete a short survey on social development and self-regulation for these same children at 4 time points during the 2 years (in line with table below).
- Staff will also be asked to complete a short questionnaire and some staff will be invited to take part in a discussion with the Evaluation Team.

**Researchers will not be evaluating your school, teaching staff, or the individual children in the class. No individual children, teachers or schools will be named in the report arising from the study.** The researchers are evaluating the TEEMUP PD and their role is to assess how successful it is in helping teachers to improve their practice and in improving children’s outcomes.

**What is the timetable?**

School Term	Recruitment	All Schools: Preparation and grouping	TEEMUP PD group Or Control group	All schools: Assessments by YTU Evaluation Team &/or class teachers
Present-June 2021	100 schools sign up			
Autumn 2021		YR parents informed & can withdraw child from evaluation elements		YR (YTU& class teachers)
	All schools receive £250	Schools informed of random allocation		
Spring 2022			PD Workshops for 50 schools. Control group ‘business as usual’ (50 schools).	
Summer 2022			PD Coaching and mentoring plus one workshop for 50 schools.	YR (class teachers only)
Autumn 2022		YR parents informed / can withdraw child from evaluation elements	Control group ‘business as usual’ (50 schools).	YR (class teachers only)
Spring 2023				



Summer 2023				
	All schools receive £500			YR & Y1 (YTU & class teachers)
Post study			Control schools offered PD at reduced price	