

# PSQM EEF trial information session

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Northeast and Scotland

**PSQM**  
Primary Science  
Quality Mark

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# Primary Science Quality Mark

A comprehensive, year long, evidence-informed, professional development and school improvement programme which equips primary science subject leaders with the knowledge, confidence, and expert support they need to transform the quality and profile of science education in their school.



# Enabling a world of possibilities

Children are enabled to start their journey through life with the scientific knowledge, skills and mindset they need to make a positive impact in their lives and the society they live in.





# What science leaders tell us

The Primary Science Quality Mark (PSQM) has had a profound impact on me as both a leader and a teacher. PSQM has instilled in me the confidence and motivation to enhance my subject knowledge, enabling me to effectively support my colleagues and share my expertise with the children I teach. Overall, PSQM has been a catalyst for my personal and professional growth, making me a more effective leader and a better science teacher.

I have a clearer view of how science looks in the school and what is needed to support my colleagues. I have more confidence in my own planning and teaching and feel able to support my colleagues in this when they feel they need it. I can see the areas where our school shines and can identify the areas where we still need to improve.

# Impact...

## Education Endowment Foundation evaluation report (July 2022)

### Key findings:

- The value and vision for science teaching and learning improved as a result of participation in the PSQM programme
- Those in science leadership became more confident and credible
- Over 90% of surveyed teachers in PSQM schools felt that science teaching had improved because of participating in PSQM
- Both science subject leaders and teachers concurred that children's outcomes had improved since the implementation of PSQM
- Most school staff were optimistic that PSQM-driven changes could be sustained

# Primary Science Quality Framework

**SCIENCE SUBJECT LEADERSHIP** is enacted through a monitoring and evaluation cycle which informs development

## TEACHING & LEARNING

Teaching enables all children to learn science content and procedural knowledge:

...by encouraging them to ask questions and express ideas

...by using approaches and resources that enable lesson outcomes to be met

...informed by formative and summative assessment

## CURRICULUM DESIGN

The science curriculum engages, inspires and challenges all children:

...by promoting inclusion and equity

...through planned progression in content and procedural knowledge

...by connecting contexts and skills with other curriculum areas

**SCIENCE SUBJECT LEADERSHIP** is enacted through working strategically with leadership and other school stakeholders

**SCIENCE SUBJECT LEADERSHIP** is enacted through engagement with CPD and wider expertise related to development priorities

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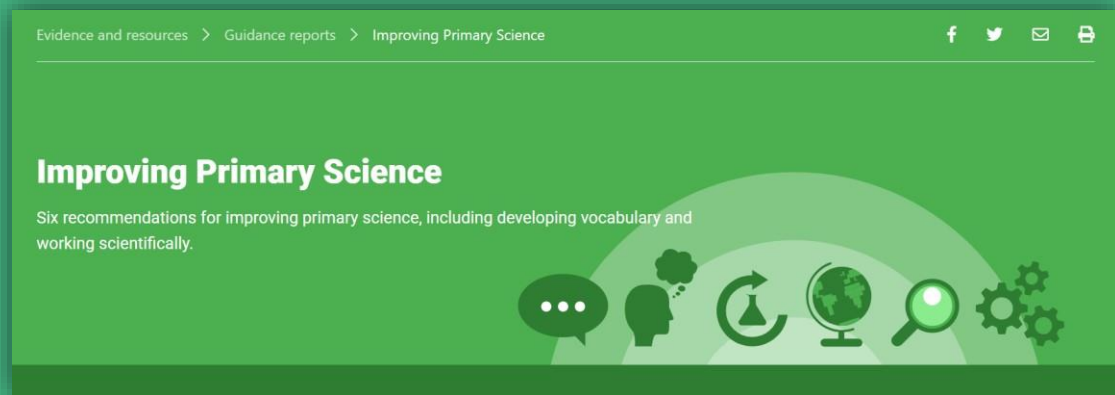
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# PSQM hub leaders – professional network of experts





# Connecting you with the sector





# PSQM – successful accreditation leads to...

## PSQM

The school community is developing effective practice in providing an inspiring science education.

## PSQM Gilt

The school community is building an established effective practice and continues to develop an inspiring science education.

## PSQM Outreach

The school community is building an established effective practice and continues to develop an inspiring science education.  
The school community is influencing and informing effective practice beyond the school.

# Summary - What PSQM provides

- A clear development process for leading whole school improvement in science based on the Primary Science Quality Framework
- Year long on-line mentoring, guidance and support for the subject leader from a PSQM hub leader and expert in primary science
- Collaborative hub sessions across the year providing professional development for the science subject leader (and another member of staff (optional)). This includes 2 half day face to face sessions and 4 online sessions of 1 ½ hours
- Access for 2 years to all professional development resources on the PSQM Virtual Learning Environment to support self-directed learning on school focus areas. This enables improvements to continue beyond the year of accreditation
- Collaboration with other local schools as part of a professional network to share and develop understanding about good practice

# Other benefits include...

- Currently PSQM schools also have access to additional fully funded primary science CPD suitable for all teachers across the school: including live webinars and remotely delivered subject specific workshops
- Certificate and a logo for the school website/letterhead on successful accreditation
- Access to further opportunities from the primary science community offered to PSQM schools

£950 per school  
£650 for small  
schools



## PSQM EEF trial – Information session

- The evaluation is a random control trial to evaluate the impact of PSQM on pupils' science attainment and science attitudes. It will be conducted by Manchester Metropolitan University
- 342 schools in selected areas will participate. Recruitment deadline 5<sup>th</sup> July.
- 171 of the schools will be chosen at random to take part in PSQM, starting September 2024 and ending June 2025. This will be the intervention group.
- 171 will be in the control group and not take part in PSQM in 2024 or 2025.
- Outcome data will be collected from all schools in 2026 to find out the difference that PSQM has made.
- There will be no participation fee for the schools that take part in PSQM in 2024-5 and they will receive a £500 payment to thank them for participation in the data collection.
- There will be a £1000 payment for schools in the control group to thank them for participation in the data collection. They can use this to pay to take part in PSQM in 2026.

## PSQM EEF trial – Information session

### The process

- We need 6 schools in a region for a viable hub
- Once we have 6 schools in your region, we will let you know and ask you to confirm your participation in the trial by returning a signed MOU and data sharing agreement.
- Also providing additional school information (URN, Number of Year 3 classes + their class IDs, whether school uses FFT Aspire, named contact at the school for supplying data – telephone and email address)
- You will be told which Y3 class
- You will collect information about any children whose parents don't give consent
- You will be contacted by FFT to begin the data collection (current Y3)
- You will be told w/b 12<sup>th</sup> July whether your school is in the control or intervention group

# PSQM EEF trial – Information session

## Data collection

- Sept 24 Data collection: head teacher and subject leader survey
- Oct 24 PSQM programme
- June 25 Complete PSQM programme
- June 25 Data Collection - intervention schools: evaluation team visit 6 case study schools; teacher survey
- June 25 Data collection - all schools: head teacher and subject leader survey
- June 26 data collection- all schools: science assessment and survey (Year 5)
- June 26 Data Collection - intervention schools: evaluation team visit 6 case study schools; teacher survey
- Report publication- Spring 27



**PSQM EEF trial – Information session**

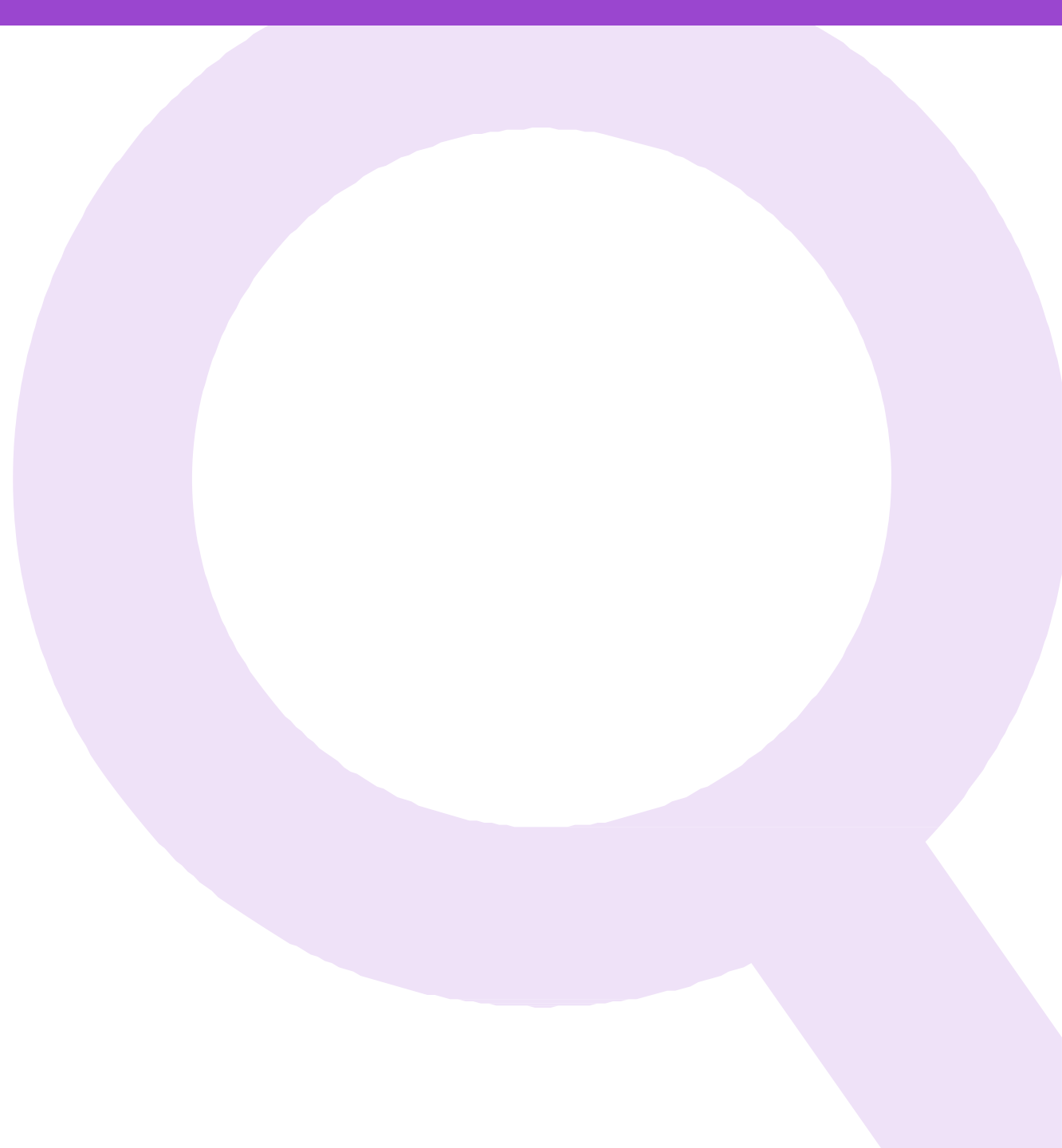
# **Payments**

Control schools

End June 25 - £500

All schools

Aug 26 - £1000



# Regions

Central/East Birmingham	Darlington	Durham	East Devon
Grantham and Sleaford	Halifax	Hampshire	Hammersmith & Fulham
Hartlepool	Hertfordshire and Luton	Hillingdon	Huddersfield
Isle of Wight	Kent and Medway	Leeds	Lewisham
Mansfield	Milton Keynes	Merton/Sutton	NE Lincoln
Northampton	North and East Bedfordshire	Nuneaton	Shropshire
South and West Cambridge	South Gloucestershire	Suffolk and Essex borders	Stockport/Hyde
Swindon	Teeside	Waltham Forest	Warrington
Wigan and Skelmersdale			

## Eligibility

- Your school must be a state-funded primary, junior or all-through school.
- Your school must have a science subject leader.
- Your school must not have participated in the PSQM award previously.
- Your school must not have mixed age groups in Key Stage 2.
- Your school must not be involved in EEF funded trials targeting pupils and teachers in science (in 2024/25).



Please contact us if you have any further questions

- [PSQMEEF@herts.ac.uk](mailto:PSQMEEF@herts.ac.uk)
- [helen@springlearning.co.uk](mailto:helen@springlearning.co.uk)



Thank you

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