

PSQM Information Session

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the Northeast and
Scotland

PSQM
Primary Science
Quality Mark

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Hertfordshire **UH**



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.



Our aims

- To open for all children, a science curriculum which engages, inspires and challenges
- To raise the profile of science in primary schools both nationally and internationally
- To provide all schools with a quality framework and professional support for developing science leadership, curriculum, teaching and learning
- To celebrate a commitment to excellence in science teaching and learning in primary schools
- To work with existing and facilitate new networks and partnerships across the UK and beyond provide national and local support for primary science
- To use evaluation at all levels to build understanding of effective practice in primary science leadership and share this widely

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.

What science leaders tell us

The new bits sound really interesting and build on real quality subject and CPD. I can't tell you how highly we have rated all the resources, training, quality links, the fab experience of visiting you on site etc - it's genuinely been one of the best experiences we've had, and I don't doubt that is thanks to your drive and ambition for this. I extend that to the Region Lead and the rest of the science community who have led the superb training. Every single resource and suggestion can be linked back to curriculum improvement. I am delighted my school wants in on this.

Expect our application shortly!

Absolutely, please do. I only have huge positives to share and that was just a quick thought so if HQ want more then I am happy to share, and they might like to know that the schools receiving support are incredibly grateful and learning is so much better as a result.

Head Teacher

Impact...

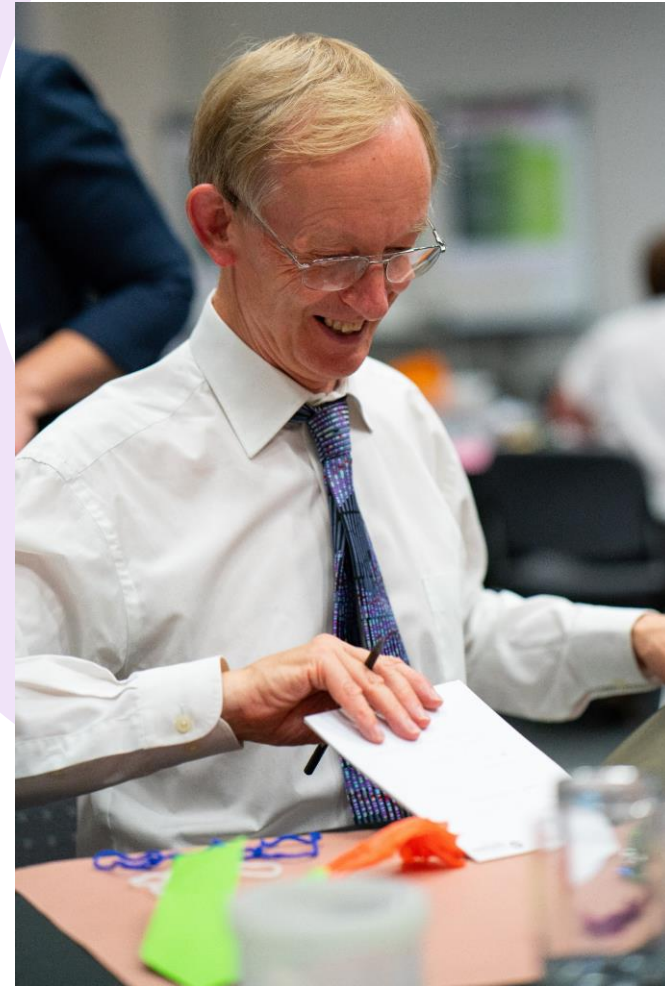
[Education Endowment Foundation evaluation report \(July 2022\)](#)

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

PSQM – Information session

PSQM hub leaders – professional network of experts



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

Connecting you with the sector

Evidence and resources > Guidance reports > Improving Primary Science

Improving Primary Science

Six recommendations for improving primary science, including developing vocabulary and working scientifically.



A response to the Ofsted Finding the Optimum report: implications for practice in primary science

Jane Turner, Prof Lynne Bianchi and Dr Sarah Earle

May 2023

PSQM, MINDSPACE, Association for Science Education, Primary Science Research Unit



ROYAL SOCIETY OF CHEMISTRY



PSQM – successful accreditation leads to...



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

What do I do now?

- Register your interest at <https://go.herts.ac.uk/psqm>
- Complete the registration form
- Please contact us if you have any further questions
PSQM@herts.ac.uk



Thank you

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