

CORE CURRICULUM

Primary Science Update: Spring 2020

I hope you are keeping safe and well in such difficult circumstances. In Science I was able to deliver all of the spring term updates and wanted to give you a brief overview of what was discussed at the meetings with some key questions you may want to explore when appropriate for your school. I have also added some useful resources shared in my newsletter which can be accessed via Twitter @wprecious and on my website www.preciouslearning.co.uk

Agenda: Spring 2020

- Ofsted deep dive and the Primary Science Quality Mark.
- Evidence informed practice: Knowledge Organisers
- Connecting and Remembering: Primary Science Teaching Trust and Bright Ideas
- EEF Project: Thinking, Doing, Talking Science.
- Free resources to support parents and carers at home and children in school to continue to learn in science so that they are in a place to build on it when schools resume.
- Health and Safety.

Ofsted Deep dive and the Primary Science Quality Mark



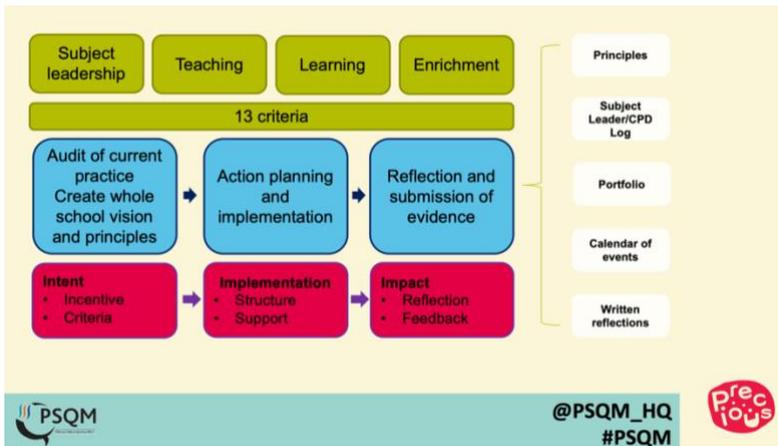
- What is the school vision in Science?
- How is that reflected in the practices in the school? How do you know?
- How do practices support children to build on their attitude/ skills/ knowledge and understanding as they move up the school? How do you know?

Where is the evidence of what you have put in place and the impact it has had?

- As subject leader what support do you provide to ensure a good work life balance for staff?

How does the Primary Science Quality Mark programme support the new Ofsted Framework?

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Interested in taking part in Round 20? There are on-line sessions taking place throughout this term

www.psqm.org.uk

Evidence-informed practice: Knowledge Organisers Should we/ or shouldn't?

Science Leaders reflected on an article from the Chartered College of Teachers on *Organising knowledge: The purpose and pedagogy of knowledge organisers* by Mark Miller

Leaders considered:

What are they and what is their purpose?

What evidence is there that they make any impact? And what is the quality of the evidence?

Who are they for? Teachers/ Children

If we do choose to use them, how can knowledge organisers be used most effectively?

Should knowledge organisers be shared with parents? What are the benefits/challenges of doing this?

Thinking, Talking, Doing Science: Connecting and Remembering

Science leaders took part in a variety of activities developed by Thinking, Talking and Doing Science which has a new research project beginning this next year.

There are free examples on the Primary Science Teaching Trust website under Bright Ideas

<https://pstt.org.uk/resources/curriculum-materials/bright-ideas>

These ideas have been used to support Explorify – also free.

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Explorify – lots of on-line activities to get your children thinking like scientists. You can filter by concept and age. Suitable for non-specialist science teachers.

<https://explorify.wellcome.ac.uk>

Coronavirus: Free resources to support Science learning at home or at school.

Free resources to support parents and carers at home and children in school to continue to learn science so that they are in a place to build on it when schools resume.

Association of Science Education

<https://www.ase.org.uk/ase-coronavirus-hub> is useful covers primary and secondary. Further units are being developed to support schools further in the next half term.

Great Science Share

Take part in a great on-line sharing experience for science on the 16th June. Lots of resources.

<https://www.greatscienceshare.org/#about-1>

Forthcoming EEF Science Projects that you might want to take part in.

Thinking, Doing, Talking Science

<https://educationendowmentfoundation.org.uk/pdf/generate/?u=https://educationendowmentfoundation.org.uk/pdf/project/?id=169&t=EEF%20Projects&e=169&s=>

Anyone interested in an EEF project on Thinking, Doing and Talking Science should contact myself.

Health and Safety

In the light of a recent and local Health and Safety incident in Primary Science it is useful to make sure Science Leaders and teachers have access to Health and Safety information so that we can learn safely without being over protective. <http://science.cleapss.org.uk/> and the ASE Be Safe guide give excellent support in this.

Is your school a member of CLEAPSS?

Have you got the latest Be Safe Guide ? <https://www.ase.org.uk/resources/health-and-safety-resources>

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