

PRIMARY SCIENCE SUMMER CONFERENCE



THURSDAY, 23 JUNE 2022

Designed for subject leaders, classroom teachers, and senior leaders: a jam-packed day with expert-led workshops for EYFS, KS1 and KS2.

KEYNOTE SPEAKER:

Dr Meghna Nag Chowdhuri

Primary Science Capital Project, UCL

@primaryscicap; @science_capital

Limited Places

Only £100pp

Refreshments
and lunch
provided

- Central London location
- Expert facilitators
- Choice of workshops
- Marketplace session

#SciConfLondon



BCS, 25 Cophall Avenue, EC2R 7BP



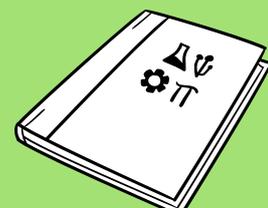
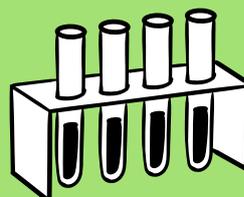
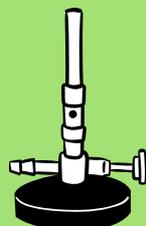
23 June 2022



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SCIENCE
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Speakers

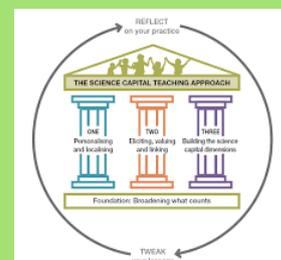
Maria Pack - Safety: Keeping science safe and much more; what CLEAPSS does for you



CLEAPSS are the people who ensure that you and your children are able to undertake the practical work that you want to do. They provide schools with advice about how to safely manage activities that you may otherwise avoid and inspiration for activities you never even thought of. During this keynote Maria Pack, Primary Consultant at CLEAPSS will explain what CLEAPSS does for you, and how to access their resources.

Delivered by Maria Pack; Lead Primary Consultant at CLEAPSS

Dr Meghna Nag Chowdhuri: Primary Science Capital Teaching Approach: Building science engagement for social justice.
@primaryscicap; @science_capital



Although many children enjoy school science, not all of them feel science is 'for them', especially those belonging to minoritized communities. This presentation showcases the Primary Science Capital Teaching Approach (PSCTA), developed by researchers from the IOE and King's in partnership with teachers to support every child's engagement and identification with science. The PSCTA is a reflective framework, which provides practical ideas about how to embed an equitable approach in everyday science teaching in primary schools. The framework will be presented alongside illustrative examples and insights/testimonials from participating teachers.

Facilitators

Naomi Hiscock, Primary Science Education Consultancy



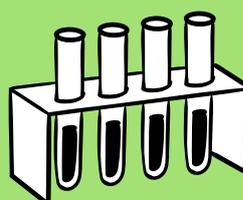
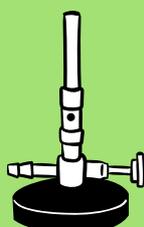
Peter Fairhurst, Best Evidence Science Teaching (BEST) at the University of York

Jo Moore, Explorify Engagement Leader for the PSTT



Ed Walsh, Science Education Consultant

Tim Wilson, CAS Outreach Manager

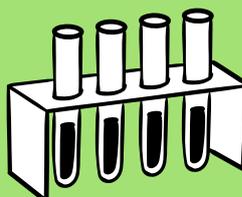
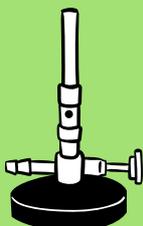


Conference Focus

After a busy and turbulent couple of years it is important that we develop our students STEM Capital. All schools need an ambitious and coherent curriculum that builds knowledge of key concepts and the relationships between them over many years. We need to embed practical work which has a clear purpose and ensure we are assessing knowledge and understanding throughout. This conference aims to target these objectives, with a series of CPD throughout the day.

Order of the Day

09:00 - 09:30	Registration & refreshments
09:30 - 10:30	Session 1
10:30 - 11:30	Session 2
11:30 - 11:45	Break & Refreshments
11:45 - 12:45	Session 3
12:45 - 13:30	Lunch
13:30 - 14:30	Session 4
14:30 - 14:50	CLEAPSS Safety (Maria Pack)
14:50 - 15:20	Keynote Speaker. Dr Meghna Nag Chowdhuri
15:20 - 15:30	Closing presentation



Workshops

Choose from each of the options for each session. In depth details for each are found below.

Session	Flowers & Gill Room	Sparck Jones Room	The Shirley Room	The Atrium
One 09:30 – 10:30	CLEAPSS Primary Practical Workshop With Maria Pack	Preparing for OFSTED deep dives With Naomi Hiscock	Using Explorify to develop talk and science engagement in the classroom With Jo Moore	Misconceptions: Understanding children's ideas in science With Ed Walsh
Two 10:30 – 11:30	CLEAPSS Primary Practical Workshop With Maria Pack	EYFS With Naomi Hiscock	Developing your role as a Science Leader With Jo Moore	Misconceptions: Understanding children's ideas in science With Ed Walsh
Three 11:45 – 12:45	Best Evidence Science Teaching (BEST): using research evidence to support primary school science With Peter Fairhurst	Preparing for OFSTED deep dives With Naomi Hiscock	Using Explorify to develop talk and science engagement in the classroom With Jo Moore	Barefoot: Primary computing With Tim Wilson
Four 13:30 – 14:30	Best Evidence Science Teaching (BEST): using research evidence to support primary school science With Peter Fairhurst	EYFS With Naomi Hiscock	STEM Ambassadors With Fatma Emin	Barefoot: Primary computing With Tim Wilson

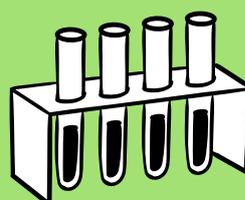
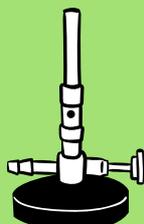
CLEAPSS Primary Practical Workshop with Maria Pack

This workshop is a series of practical activities to try and take away, using easily accessible and easy-to-use materials. All our practical activities are trialled in schools with children and developed with teachers, the session will include tips on planning for effective practical work that supports both knowledge and skills.

Preparing for OFSTED deep dives with Naomi Hiscock

EYFS with Naomi Hiscock

Using Explorify to develop



talk and science engagement in the classroom with Jo Moore. @JoMoorePriSci, @ExplorifySchool

Join Jo Moore who will be leading a session looking at how you can use Explorify to develop talk and science engagement in the classroom. She will explain how you can use the new Explorify “Have you ever...” activities to support the Primary Science Capital teaching approach.

Developing your role as a Science Leader with Jo Moore

A guide to some of the organisations and resources that are available to help you whether you are new to the role or have been in position for a while. This will cover Explorify, STEM Learning, PSQM, PSTT and ASE.

Misconceptions: Understanding children’s ideas in science with Ed Walsh

This workshop will share practical ideas about how, when starting a new topic, teachers can quickly and easily find out what their students already know and what misconceptions they may hold. It will then consider what can be done with these insights and how subsequent progress can be demonstrated.

It is based on a new publication from the ASE called Understanding Children's Ideas in Science which has an extensive set of classroom materials and supporting teacher guidance. Each of the probes are designed to be used with pupils to get them thinking and talking about the ideas they hold, and to enable the teacher to identify what they think and understand.

Best Evidence Science Teaching (BEST): using research evidence to support primary school science with Peter Fairhurst. @BestEvSciTeach; @PeterUYSEG

BEST is a large collection of free resources for school science. The resources have been developed from the best research evidence we can find on common misunderstandings in science, effective diagnostic questioning and formative assessment, constructivist approaches to building understanding, and effective sequencing of key concepts. The resources are developed by the University of York Science Education Group.

Originally written for secondary school science, a quarter of downloads of BEST resources have been made by primary school teachers. This session describes the **Primary BEST Pilot Project** (2021), the **ASE BEST Bites Project**, delivering topic level bite-sized online CPD to primary science teachers (2022), and **Primary BEST Physics**, our first bespoke topics for primary science.

The Salters’ Institute has been proud to fully fund the BEST project since it began in 2016.

The Ogden Trust is funding the development of Primary BEST physics topics.

Presenter: Peter Fairhurst, The University of York

