Overview of STEM Learning facilitator online conference – 24th March 2021

Time			
09:15	**Welcome – Helen Sizer** **Introduction, Education Recovery and STEM Learning update – Wayne Jarvis**		
09:45	**Keynote 1** **The power of collaboration** Cat Scutt – Chartered College of Teaching		
10:30	*Break*		
11:00	1a **Better reactions, better relationships - better CPD** *New and experienced facilitators* David Shakespeare	1b **Working as a Consultant with individual schools; getting started, developing plans, making an *impact*.** *Facilitators looking to extend the range of CPD they offer beyond course delivery* Martin Reece	1c **What is effective professional development?** *New and experienced facilitators* Clare Warren
12:00	**12:00 – 12:20 (Optional)** **How can I become a Lead/Senior Facilitator?** Wayne Jarvis	*Lunch*	
13:00	**STEM Learning offer and wrap around care** Mark Langley		
13:30	**Keynote 2** **EEF – Rapid Evidence Assessment - remote professional development approaches** Igraine Rhodes		
14:30	*Break*		
15:00	2a **Remote science CPD - a celebration of successes** *Primary and Secondary science facilitators* Alan Denton	2b **Developing expertise through purposeful and effective science network meetings** *Primary and Secondary science facilitators* Claire Ruthven and Clare Warren	2c **Unleashing the potential for virtual trips to engage and inspire students beyond the computing curriculum** *Primary and Secondary computing facilitators* Alan O'Donohoe	2d **Waving, not drowning! Supporting pupils with special educational needs in computing lessons** *Primary and Secondary computing facilitators* Catherine Elliot
16:00	*Finish*		

Session description

Session	Title	Description	Audience	Who
Keynote 1	The power of collaboration	Teacher collaboration is key to improving teacher retention, supporting teacher development, and improving outcomes for children and young people. But what does research tell us about what effective teacher collaboration looks like? How can we support the teachers we work with to collaborate and share their learning and expertise in school? And what role does collaboration play across the education system?	All	Cat Scutt, Director of Education and Research, Chartered College of Teaching
Keynote 2	Remote Professional Development	In this interactive session, Iggy will set the context on the evidence around professional development before introducing the findings of the EEF's recent rapid evidence review on remote professional development. Participants will share their experiences of attending and delivering remote professional development and consider the implications of the evidence for their delivery. A collaborative Padlet of ideas will be shared with participants.	All	Igraine Rhodes EEF Regional Lead: London and the South East
All	STEM Learning offer and wrap around care	Latest update on the STEM Learning offer for computing and science. Pathways, STEM community, STEM Ambassadors etc.	All	Mark Langley Science CPD lead National STEM Learning Centre
1a	Better reactions, better relationships - better CPD	Whatever the agenda, in some face-to-face training sessions and network meetings, teachers are open to messages and activities, and they learn well. In other sessions, less so. Good reactions and relationships help participants transfer professional development to classroom practice – so we will explore simple, often-overlooked ideas from psychology and tips from experience (around the learning environment, activities, conversation and interaction etc.) that CPD facilitators can use to build trust and engage teachers.	New and experienced facilitators of face-to-face training run for primary or secondary teachers	David Shakespeare STEM Learning Senior Facilitator
1b	Working as a Consultant with individual schools; getting started, developing plans, making an impact.	Working as a consultant is very different to facilitating courses. This session will provide an opportunity to reflect on the challenges inherent in establishing a positive working relationship with a Department / School from first contact through to exit strategy.	Facilitators looking to extend the range of CPD they offer beyond course delivery.	Martin Reece STEM Learning Senior Facilitator

1c	What is effective professional development?	This session will consider how most of the academic literature defines effective professional development and based on this definition will go on to consider what might aspects might be effective in facilitating professional development episodes. Drawing on my own recent research and other literature, I will consider alternative conceptions of effective professional development and how this might cause us to reconsider the facets of effective professional development.	All facilitators	Clare Warren STEM Learning Senior Facilitator
2a	Remote science CPD - a celebration of successes	Now we've spent a year adapting to remote learning, and overcoming many hurdles along the way, there have been some real success stories to come out of our experiences. In this session we will take a whistle-stop tour through some of fantastic (and free) technologies that make can make a huge difference to the quality of your CPD, through interactivity and formative assessment. We expect that many of these ideas will continue prove useful to our CPD even after Face-to-Face sessions resume.	Primary and Secondary science facilitators	Alan Denton STEM Learning Senior Facilitator
2b	Developing expertise through purposeful and effective science network meetings	What makes a good network meeting and how can you build a sustained and purposeful network? This session will look at how to incorporate good practice with the theory behind it, STEM Learning resources and ways to identify and meet local needs.	Primary and Secondary science facilitators	Claire Ruthven, SLP Lead and Clare Warren, STEM Learning Senior Facilitator
2c	Unleashing the potential for virtual trips to engage and inspire students beyond the computing curriculum	This session looks at how to help teachers engage and inspiring children beyond the classroom, without having to leave the classroom.	Primary and Secondary computing	Alan O'Donohoe Specialist leader in Education, Exa Foundation
2d	Waving, not drowning! Supporting pupils with special educational needs in computing lessons	How do we help learners understand abstract concepts in Computing, and in particular those with special educational needs and disabilities (SEND)? During this workshop you will take a hands-on look at semantic waves and explore how teachers can use these to analyse the effectiveness of lessons and as a tool for differentiation. We will investigate examples of primary level concepts, but the workshop will be of interest to all phases.	Primary and Secondary computing	Catherine Elliott, eLearning Consultant & NCCE Subject Matter Expert