

Shanghai Exchange

For all those involved in education, from the Secretary of State down to the parent-teacher association, there should be no greater priority than nurturing and retaining brilliant teachers. We should be offering them the best possible training, supporting them in any way we can and systematically removing any burdens which stand in the way of their success.

The Teacher Gap

Allen and Sims 2018

Program for today:

09.25 – 09.30	Welcome and Housekeeping
09:30 – 10:00	Introduction to Shanghai Exchange Project
10:00 – 10:40	Lesson One - Lead by Shanghai teachers
10:40 – 11:00	Break
11:00 – 11:30	Q and A with the Shanghai Teachers
11.30 – 12.00	Linking 5 Big Ideas/Same and Different to Lesson Seen
12:00 – 12:40	Structuring Inquiry
12:40 – 1:20	Lesson Two - Lead by Shanghai teachers
13:20 – 13:45	Lunch
13:45 – 14:45	Planning the next lesson in the sequence.
14.45 – 15.00	Takeaways and Evaluation

Welcome

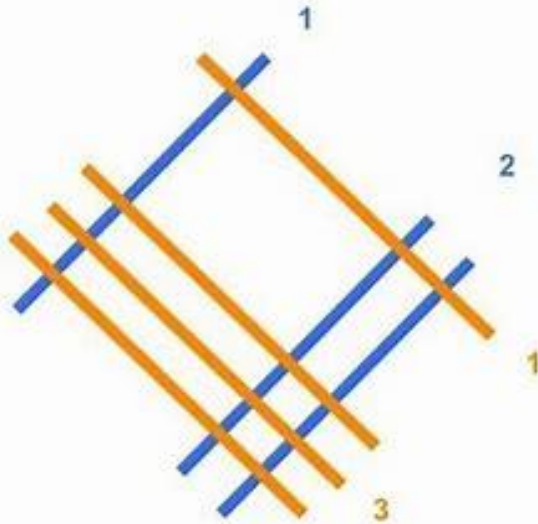
- Toilets
- Fire Alarms
- Tea, coffee and cake available in the meeting room; Please leave non-valuables there.
- Materials – These will be emailed out and made available on the Cambridge Maths Hub Website at the end of the project.
- Photos - Feel free to take photos, but please ensure that only the back of a students head is visible.

Pilot Project:

- This is one day of an NCETM pilot project that will continue to run until the 24th January.
- We will continue to adapt the day based on the feedback you give at the end of today.
- Only 8 Hubs were chosen to host Chinese teachers. We feel privileged to be hosts.
- We hope you enjoy your day.

Multicultural Maths:

What's going on?



3	45, 60
5	15, 20
	3, 4

$$\begin{array}{r}
 765 \\
 - 439 \\
 \hline
 726
 \end{array}$$

The number 15 is written above the 5 in 765. The number 4 is written above the 3 in 439.

Shanghai Maths Teaching

A snapshot of Shanghai, maths performance background and some context



The Shanghai Exchange Program

The Shanghai Exchange project began in Maths Hubs with significant focus on discovering and embedding aspects of *Shanghai-style teaching for mastery* in primary schools.

The project this year builds upon the success of the Primary project and an earlier Secondary pilot project. Its key goal is to share the principles and practice of *Shanghai-style teaching* with other Secondary schools across our region.

A Snapshot of Shanghai

Rosie Hanson

Lesson Observation One:

Lesson observation forms are available in your packs

Which of the '5 Big Ideas' were part of the lesson and how did they impact on the students understanding?

How the lesson compares to a Maths lesson at your school:

- What was the same and what was different?
- What might be transferable?

Lesson 1

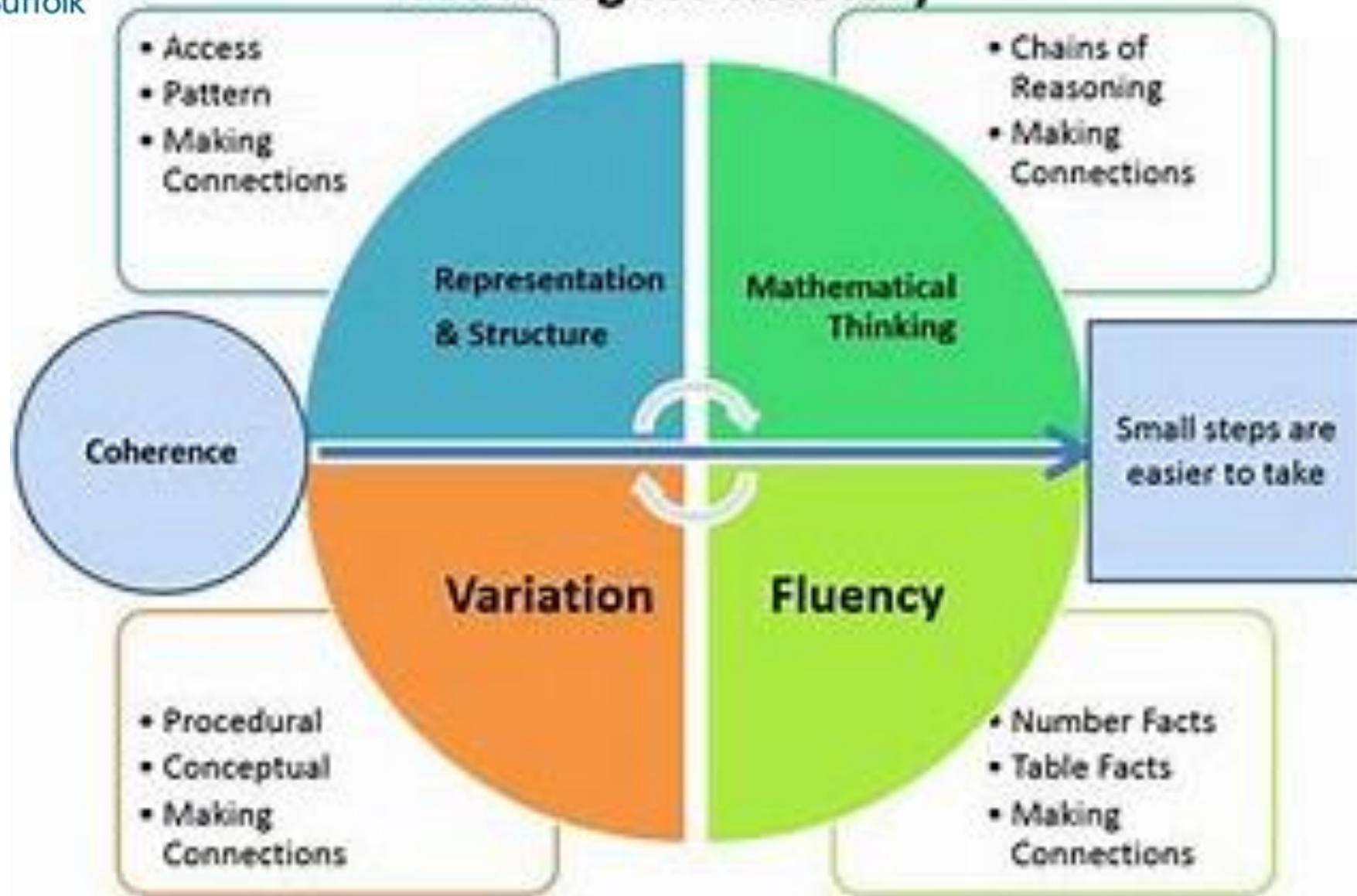
Break

Q&A with Sarah and Joyce

- What were the main aims of your lesson?
- Did you achieve what you wanted to?
- Were there any surprises that you had to react to?

Open questions to the room...

Teaching for Mastery



Share Ideas and Reflect

- Which of the TfM's '5 Big Ideas' were part of the lesson and how did they impact on the students understanding?

How the lesson compares to a Maths lesson at your school:

- What was the same and what was different?
- What might be transferable?

Structuring Inquiry

Livia Mitson

Lesson Observation Two:

Again, try to identify where the TfM '5 big ideas' exist in the lesson and how they impact on the students learning

Also, think about the learning trajectory:

- How is the second lesson building on the first lessons learning?
- What might the next lesson look like?

Lesson 2

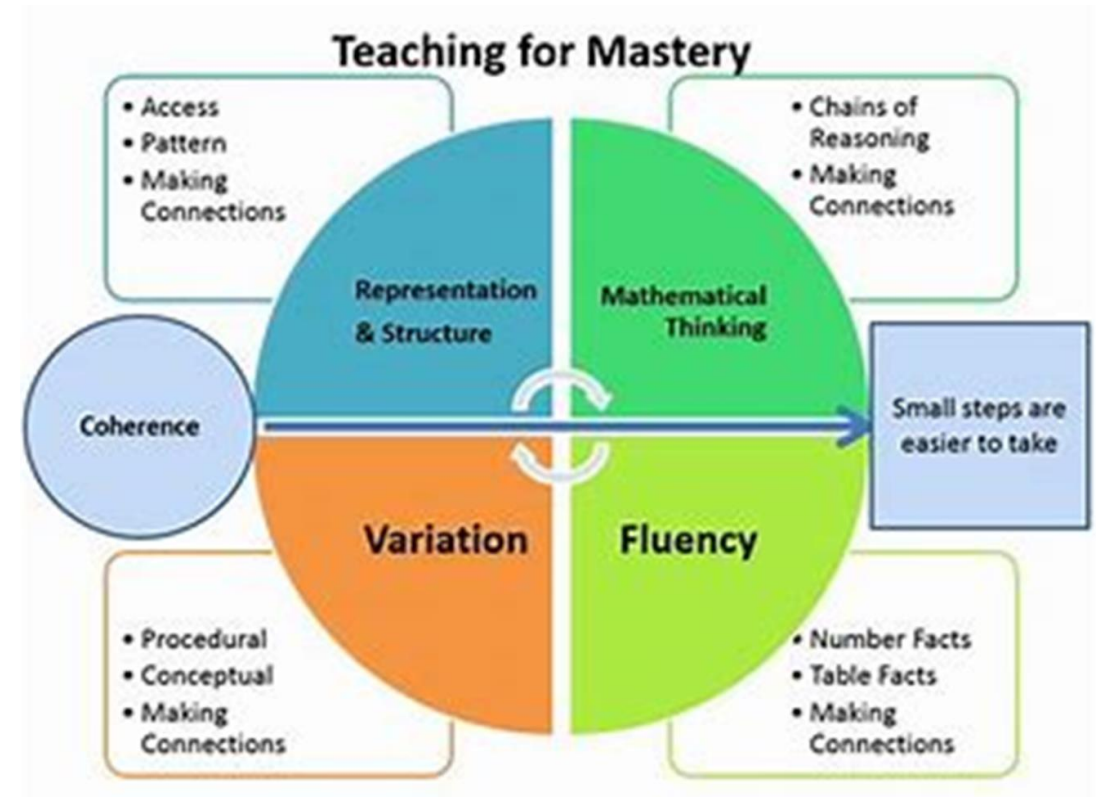
Lunch

Planning:

In small groups we would like you to collaboratively plan 3 questions or activities to match the next lesson in the sequence.

What do you think the next lesson objective might be?

Think carefully about how your planned questions/activities address anticipated misconceptions.



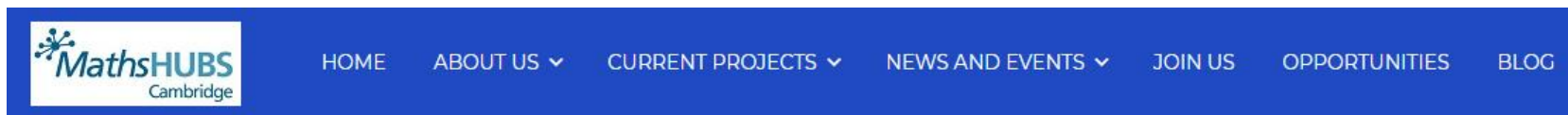
Next Steps and Evaluation

Next Steps:

On a post card please write down what you are going to do/try to do differently as a result of today.

Please add you school address and we will get them back to you later in the year.

Cambridge Maths Hub Website - <http://cambridgemathshub.org/>



Maths teachers from Shanghai visiting during January to lead demonstration lessons. Find out about Teaching for Mastery in a half-day session.

[Primary Showcase](#)

[Secondary Showcase](#)

[Teaching Assistants](#) - work group starts 27 Feb

Tweets by @CamMathsHub

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Join us to observe primary teachers from Shanghai teaching at Warboys or secondary teachers at ImpingtonVC. See our website to book.

Read our Blog

Posting history

[Judgement Calls in Teaching](#) *January 1, 2019*

[When Trainees Observe Lessons](#)
December 19, 2018

[EAL – a two-way process](#) *November 30, 2018*

[Desmos – the basics](#) *November 13, 2018*

[What does a good maths book look like?](#) *November 6, 2018*

[Observing a maths lesson](#) *September 5, 2018*

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Evaluation:

Please complete the evaluation form in your pack. Your feedback is important and will influence future projects.

Thank you: **Safe Journey Home**

Thank you for your contributions today

Thank you for all the work you are doing with the Hub

Thank you to Darroch, Livia, Ruth, Rosie and Nicola for your time and guidance putting these events together.

Thank you to Charmayne for your guidance and support.