

HOW IS THE NATURE OF ‘TEACHING AND LEARNING MATHEMATICS’ CHANGED DURING THE PANDEMIC IN SHANGHAI?

Shanghai High School

Short description of the Thematic Afternoon: organizers, aims and underlying ideas

Organizers: Shanghai High School

Aims: How is the nature of ‘teaching and learning mathematics’ changed during the pandemic in Shanghai?

--- What we experience, what we learn, and what we think

Ideas:

All citizens in Shanghai were advised to self-isolate in a bid to control the spread of COVID-19, it was hypothesized that COVID-19 would impact on the teaching and learning mathematics in the 2020. This study reports secondary school students’ experiences for learning mathematics and teachers’ experiences for teaching mathematics during the COVID-19 pandemic era. 264 students completed a survey about the ways they have used to support their learning in mathematics. This study also collected data from 332 mathematics teachers in Shanghai. Semi-structured interviews were used to collect views of what these teachers thought about the COVID-19 effects on the mathematics performance of students.

Planned structure:

Planned timeline	Planned activity	Working format /Responsible person
14:00-14:40	Students’ individual talks	Ted Talk
14:40-14:50	Video Watching	Ma Feng
14:50-15:30	Teachers’ Report on the survey	Lecture
15:30-16:10	Students’ Report on the survey	Lecture
16:10-16:30	Q&A	Interaction