

Thematic Workshops

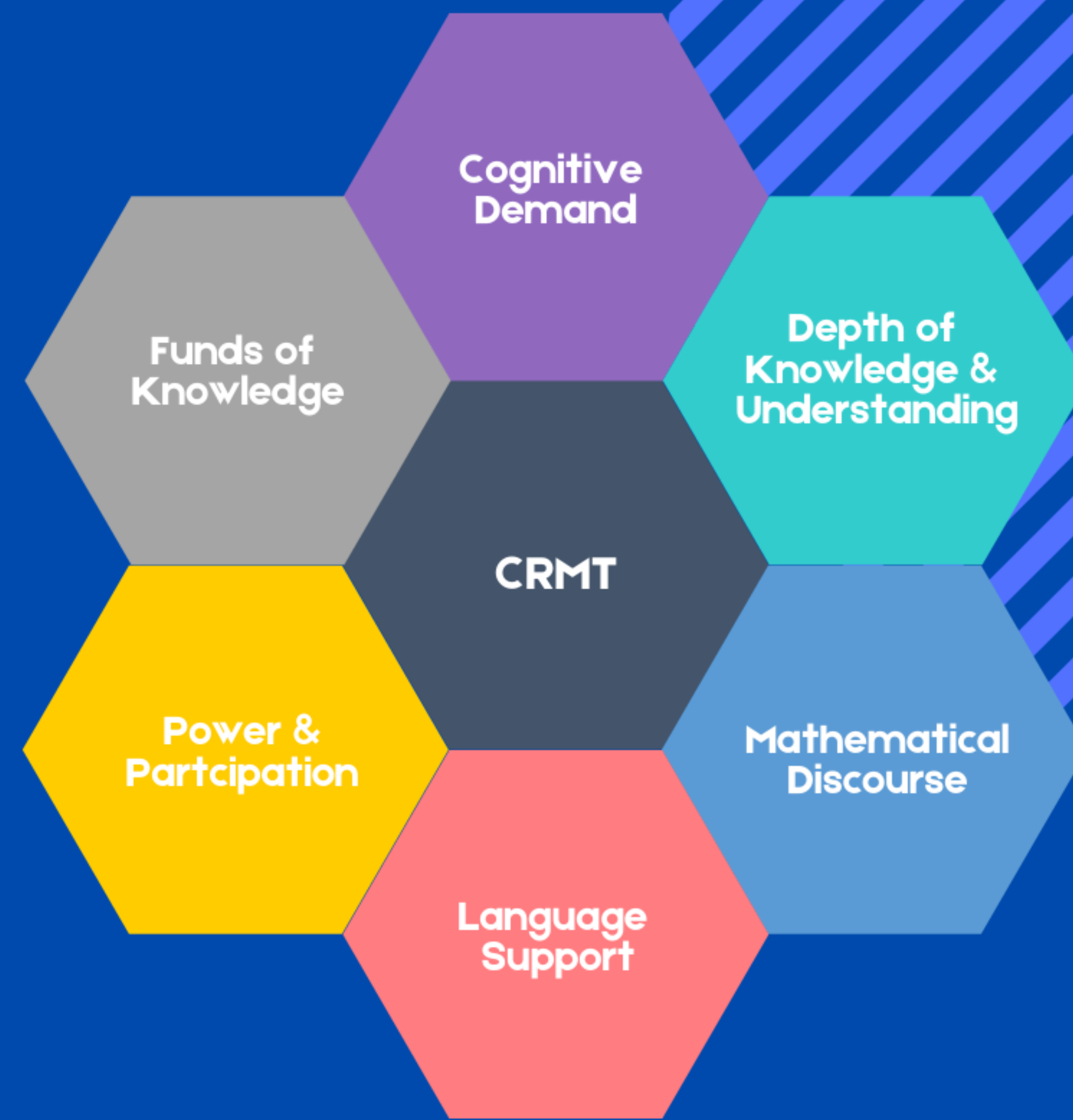
The series of workshops aims to introduce how to integrate the CRMT model into **Activities, Tools and Practices**.

Thematic Workshop 1

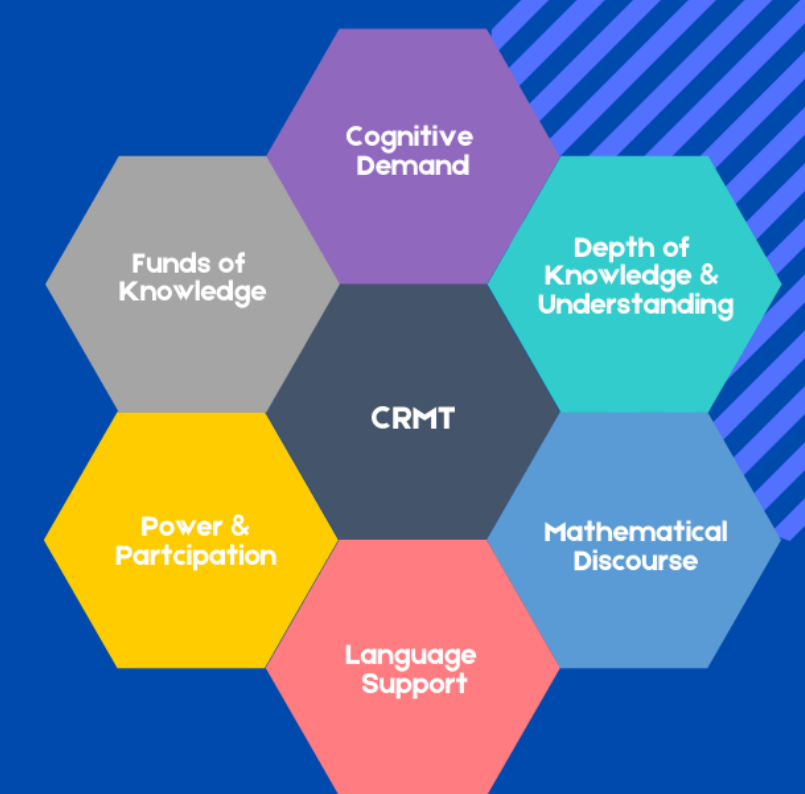
Date: 19 Nov 2021 (Friday)

Time: 3:00 – 5:00 pm

Venue: Multi-purpose Zone,
Level 3, Main Library, HKU



Thematic Workshop 1



3:00 Introduction

3:15 Introduction to “Depth of Knowledge & Understanding”

3:20	Group 1 (P2-3) Deepen division concept with exploration tool - Ms Daisy Wang	Group 2 (P1-2) Using Problem-Solving Approach to Meet Mathematics and Language Goals in Multilingual Classroom - Dr Emily Sum	Group 3 (P4-5) From misconceptions in decimals to conceptual understanding with linguistic concerns - Dr Kin Cheng	Group 4 (P6) Percentage that make sense - Mr Samuel Tam
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3:50 Sharing for the discussion

4:10 Introduction to “Language Support”

4:15	Chinese - Ms Daisy Wang	Chinese - Dr Emily Sum	English - Dr Kin Cheng	English - Mr Samuel Tam
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Product: a poster summarising the discussion

4:45 Concluding remarks

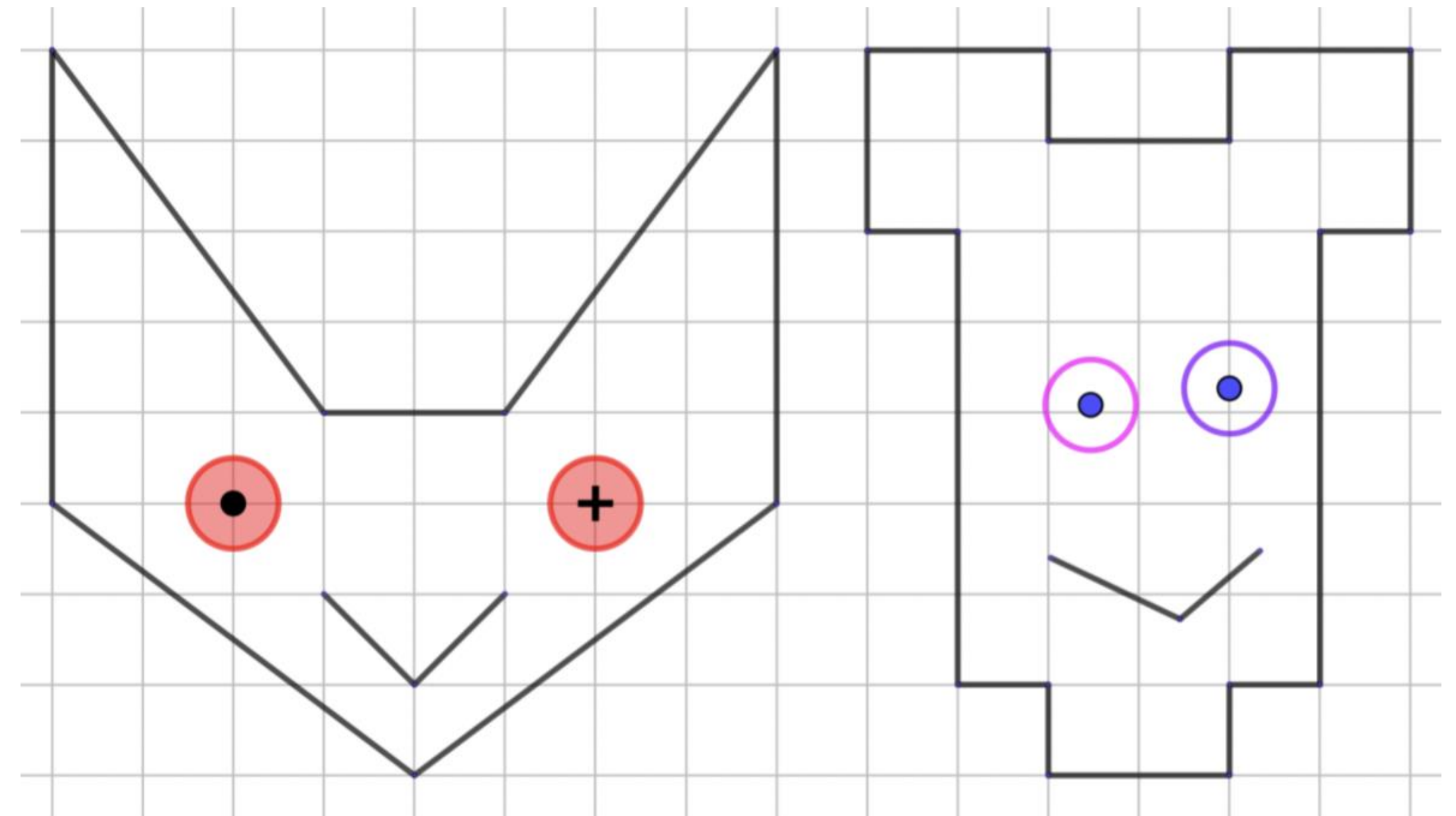
How to Deepen Knowledge and Understanding

with Activities, Tools and Practices [an example]

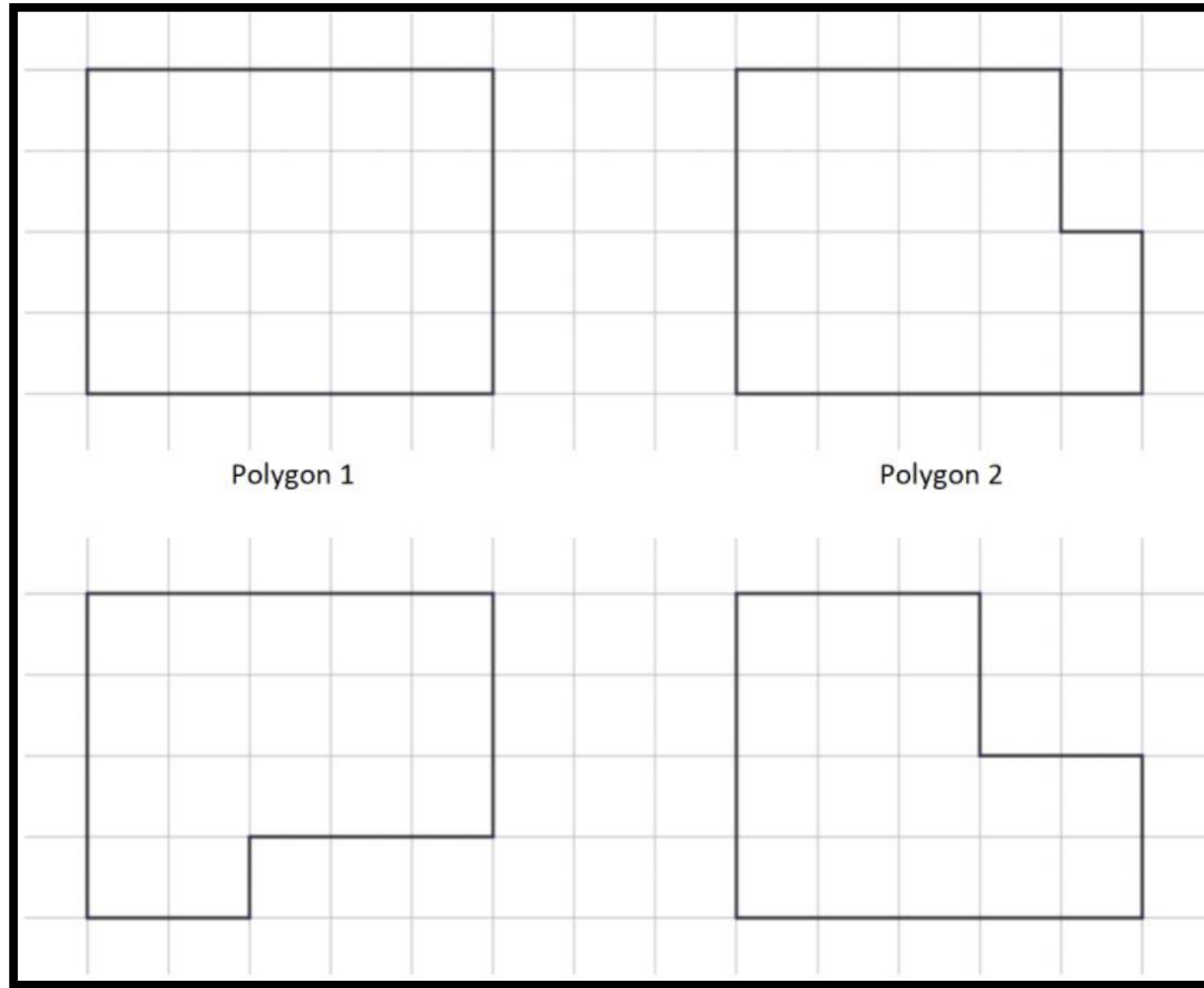
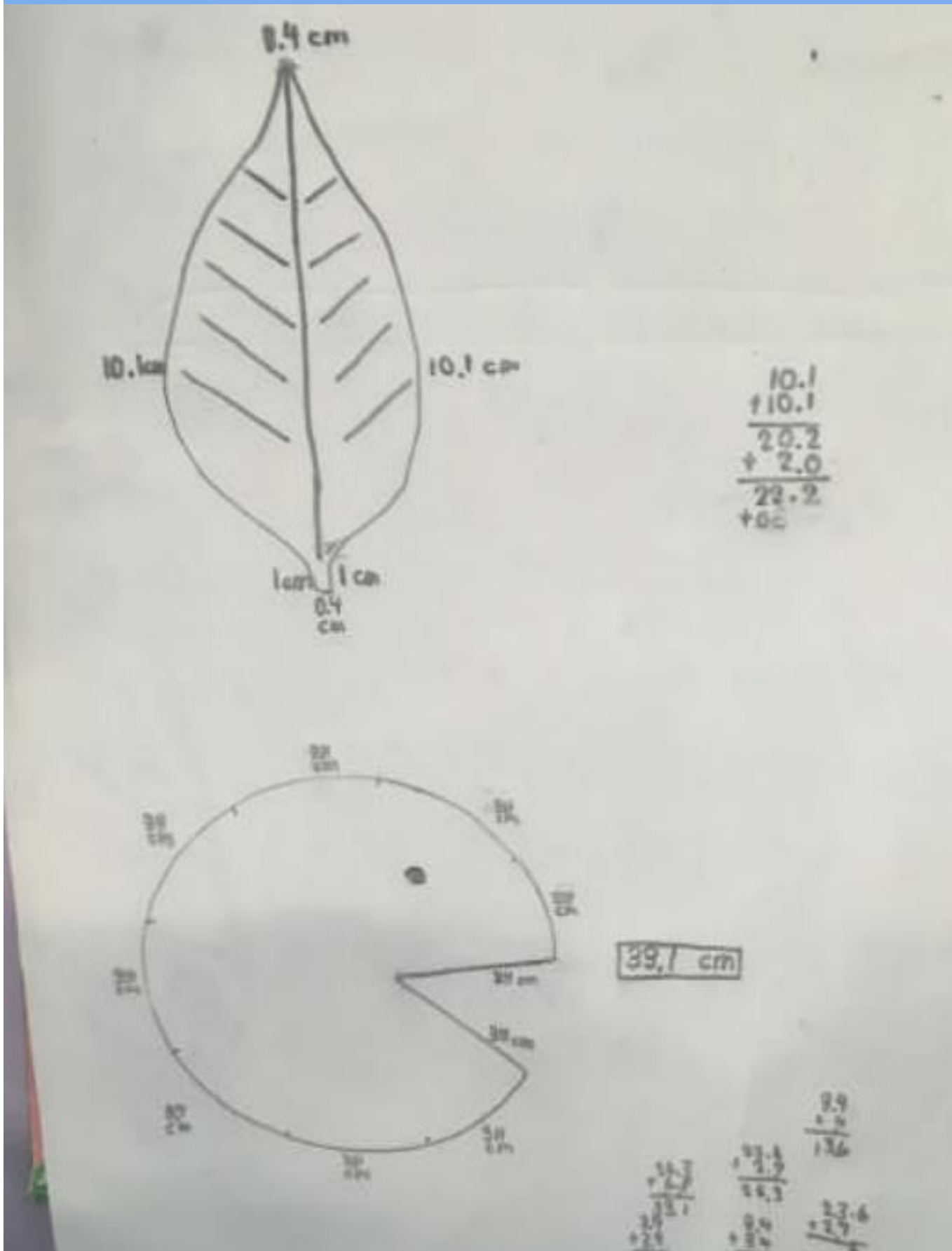
Perimeter

of Polygons

- If one lacks depth of understanding,
 - just a group of formulae which is hard to be memorised
 - will easily be mixed up with 'area'



Measurement & Calculation Activity for Understanding the Meaning of 'Perimeter'



Sequence of practices that allows students to consolidate the skills learnt

- Observe & discover

Tool for further exploration of the relationship between 'area' & 'perimeter'

Move the red dot and the blue dot so that

- (i) the red rectangle is longer in perimeter; and
- (ii) the blue rectangle is bigger in area

Show perimeter & area

<https://www.geogebra.org/m/ahxmnjuv>



LET'S

DISCUSS

How to Deepen Knowledge and Understanding

Group Discussion

Group 1
(P2-3) Deepen division concept with exploration tool
Ms Daisy Wang

Group 2
(P1-2) Using Problem-Solving Approach to Meet Mathematics and Language Goals in Multilingual Classroom
Dr Emily Sum

Group 3
(P4-5) From misconceptions in decimals to conceptual understanding with linguistic concerns
Dr Kin Cheng

Group 4
(P6) Percentage that make sense
Mr Samuel Tam

LET'S
SHARE

How to Deepen Knowledge and Understanding

Group 1
(P2-3) Deepen division concept
with exploration tool
Ms Daisy Wang

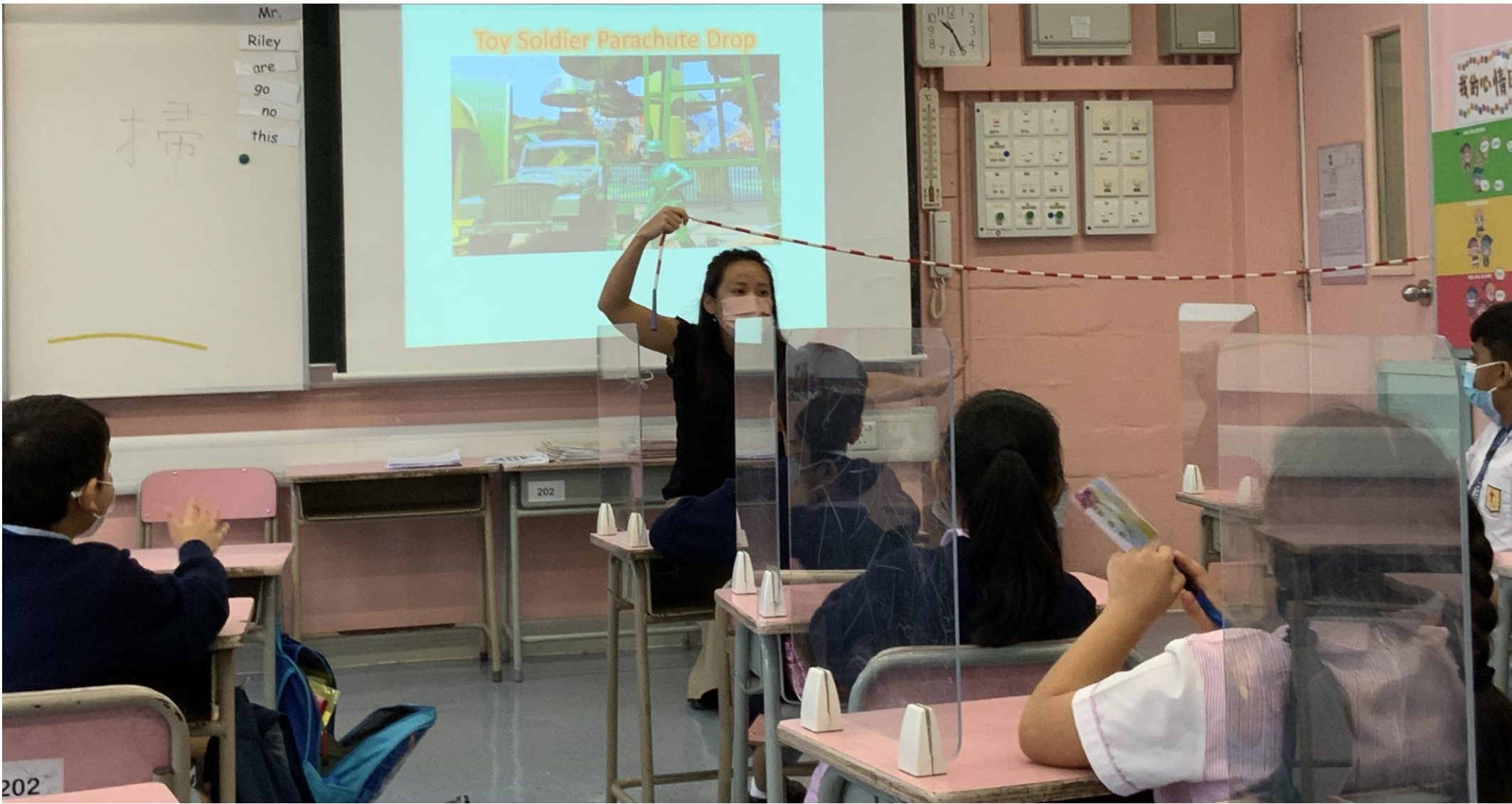
Group 2
(P1-2) Using Problem-Solving
Approach to Meet Mathematics
and Language Goals in
Multilingual Classroom
Dr Emily Sum

Group 3
(P4-5) From misconceptions in
decimals to conceptual
understanding with linguistic
concerns
Dr Kin Cheng

Group 4
(P6) Percentage that make
sense
Mr Samuel Tam

Language Support

with Activities, Tools and Practices [an example]



Visualisation of Concepts



Sentence Structure Support

Signs to Visualise Subject Terms



Beyond Providing Subject-related Support

- 2nd language learners learn the language from different subjects at school
- Mathematics is a subject that students learn how to
 - Compare;
 - Give reasons to justify and/or explain;
 - Debate on true or false statements;
 - Handle data; and so on.
- Let's work together and give our support to 2nd language learners!

LET'S

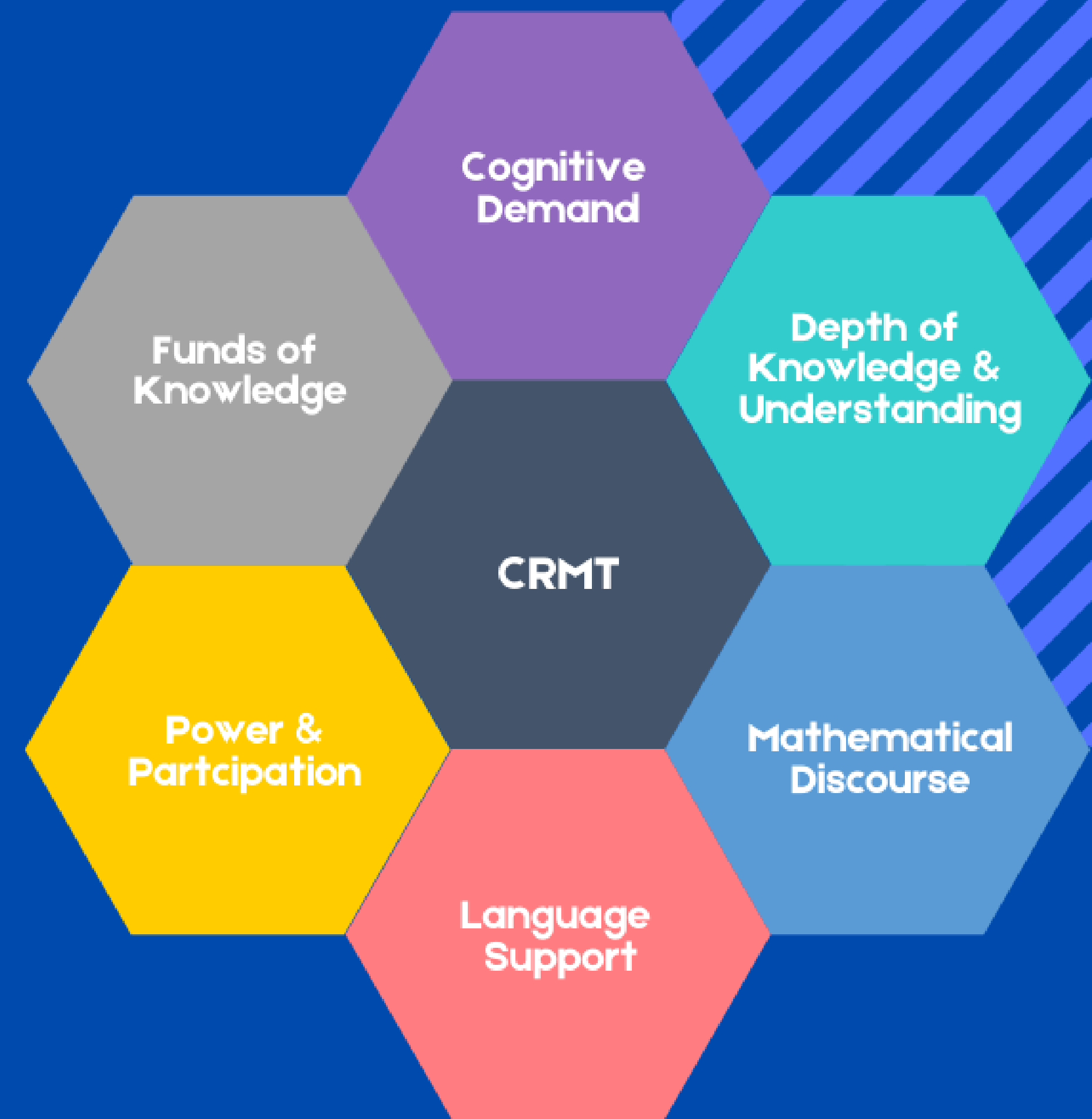
DISCUSS

Language Support

Group Discussion

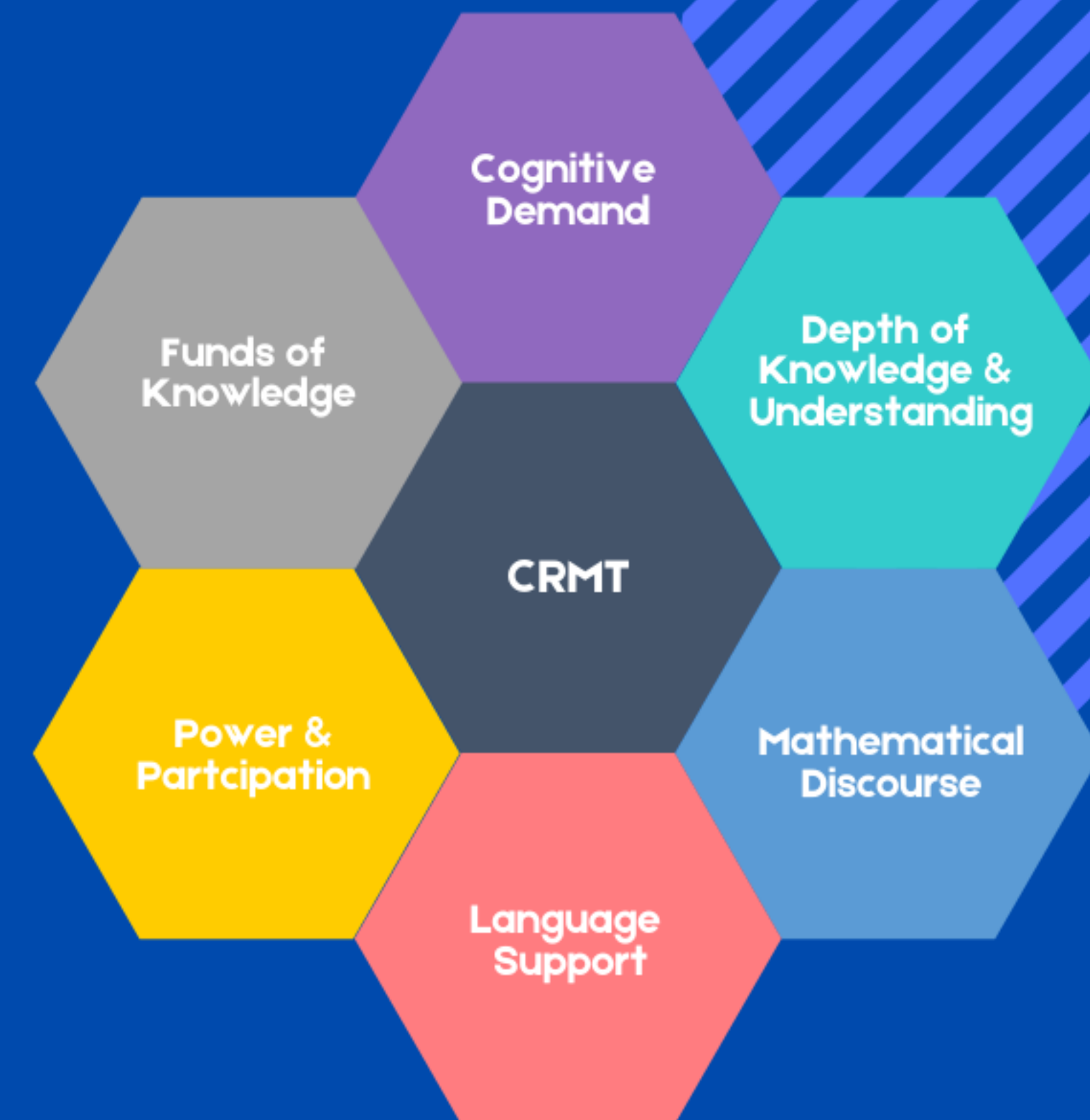
Thematic Workshop 1

Concluding Remark



Thematic Workshops

The series of workshops aims to introduce how to integrate the CRMT model into **Activities, Tools and Practices**.



Thematic Workshop 1

Date: 19 Nov 2021 (Friday)

Time: 3:00 – 5:00 pm

Venue: Multi-purpose Zone,
Level 3, Main Library, HKU

Deepen students' mathematical understanding and provide language support to students through activities, tools and practices

Thematic Workshop 2

Date: 11 March 2022 (Friday)

Time: 3:00 – 5:00 pm

Venue: HKU Main Campus

Design high-level cognitive demand activities with tools and practices that value and facilitate student engagement and participation

Thematic Workshop 3

Date: 10 June 2022 (Friday)

Time: 3:00 – 5:00 pm

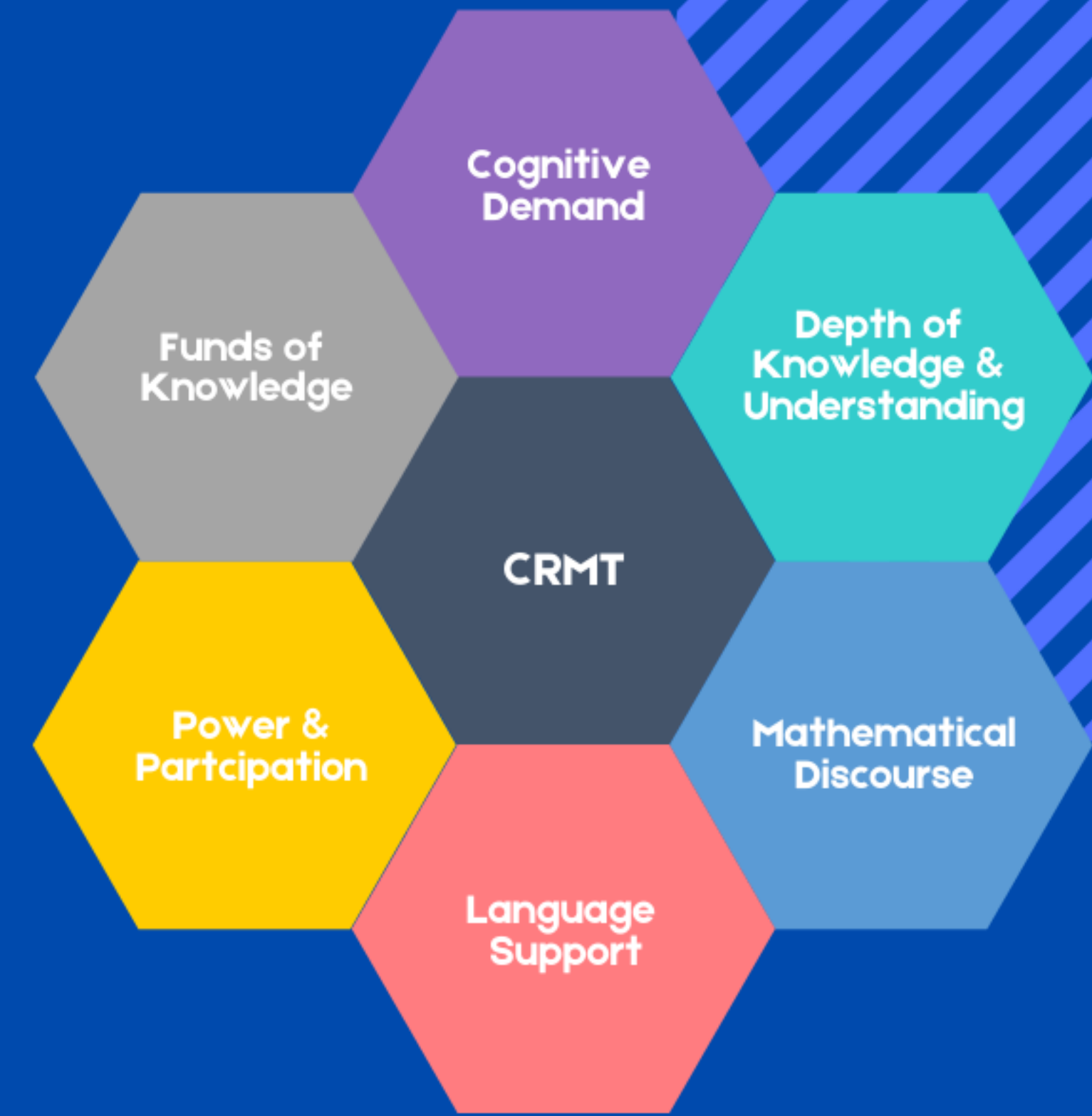
Venue: HKU Main Campus

Design activities, tools and practices that connect school mathematics with students' cultural/community funds of knowledge and enrich mathematical discourse

School-based Support Service 2021-22
Quality Education Fund Thematic Network (QTN-T)
Catering for Culturally and Linguistically Diverse Learners
in Primary Mathematics Classrooms - Developing a Professional Network

Thematic Workshops

The series of workshops aims to introduce how to integrate the CRMT model into **Activities, Tools and Practices**.



Thematic Workshop 1 - Evaluation

<https://forms.gle/LiyBnwGXwkkk9rN96>



Thank you