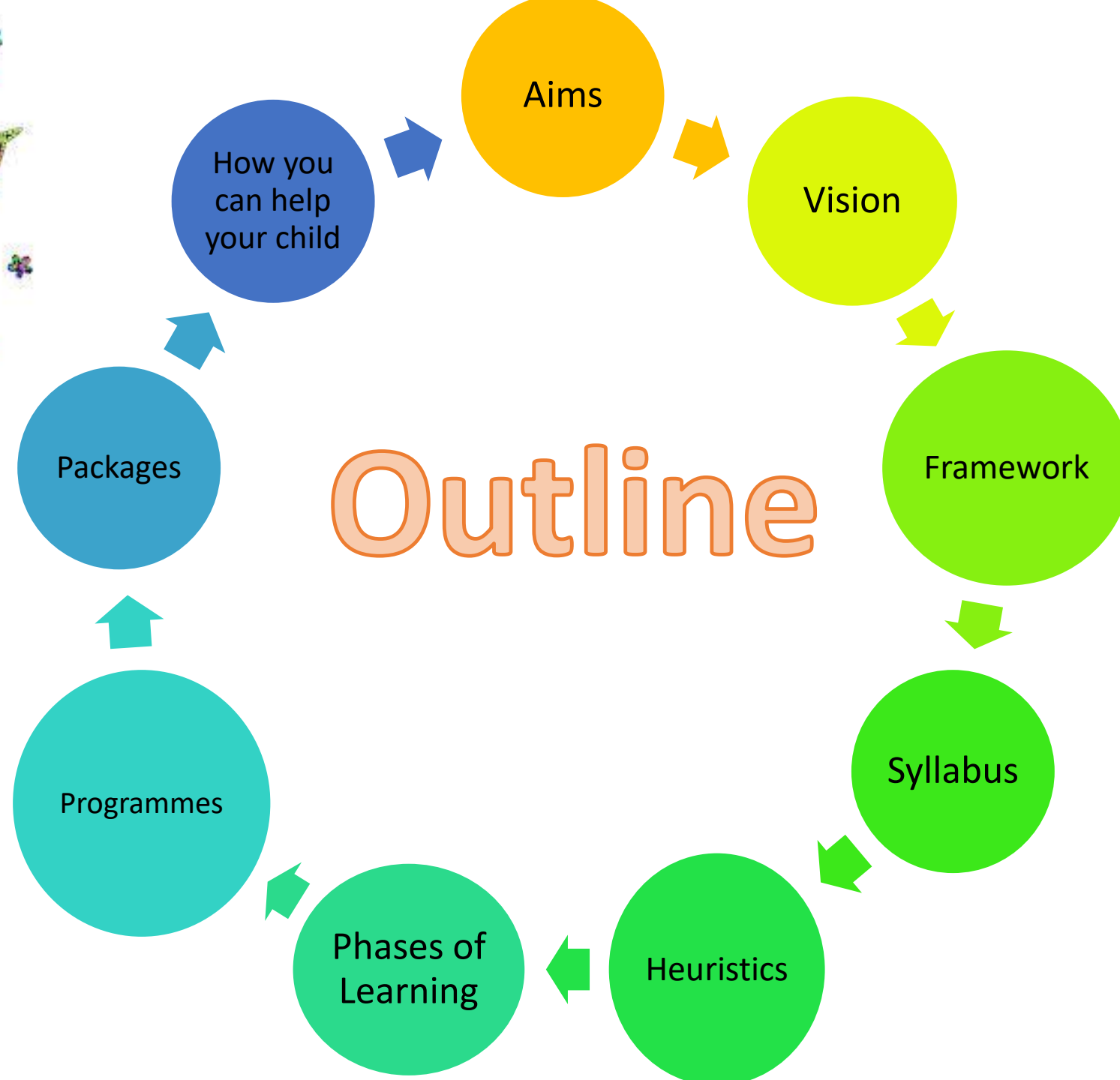


MATHEMATICS

Information
for
Primary 6 Parents





Primary Mathematics **(Laying a strong foundation)**

The Primary Mathematics syllabus aims to enable all students to:

- Acquire mathematical concepts and skills for everyday use and for continuous learning in Mathematics.
- Develop thinking, reasoning, communication, application and metacognitive skills through a mathematical approach to problem solving; and
- Build confidence and foster interest in Mathematics

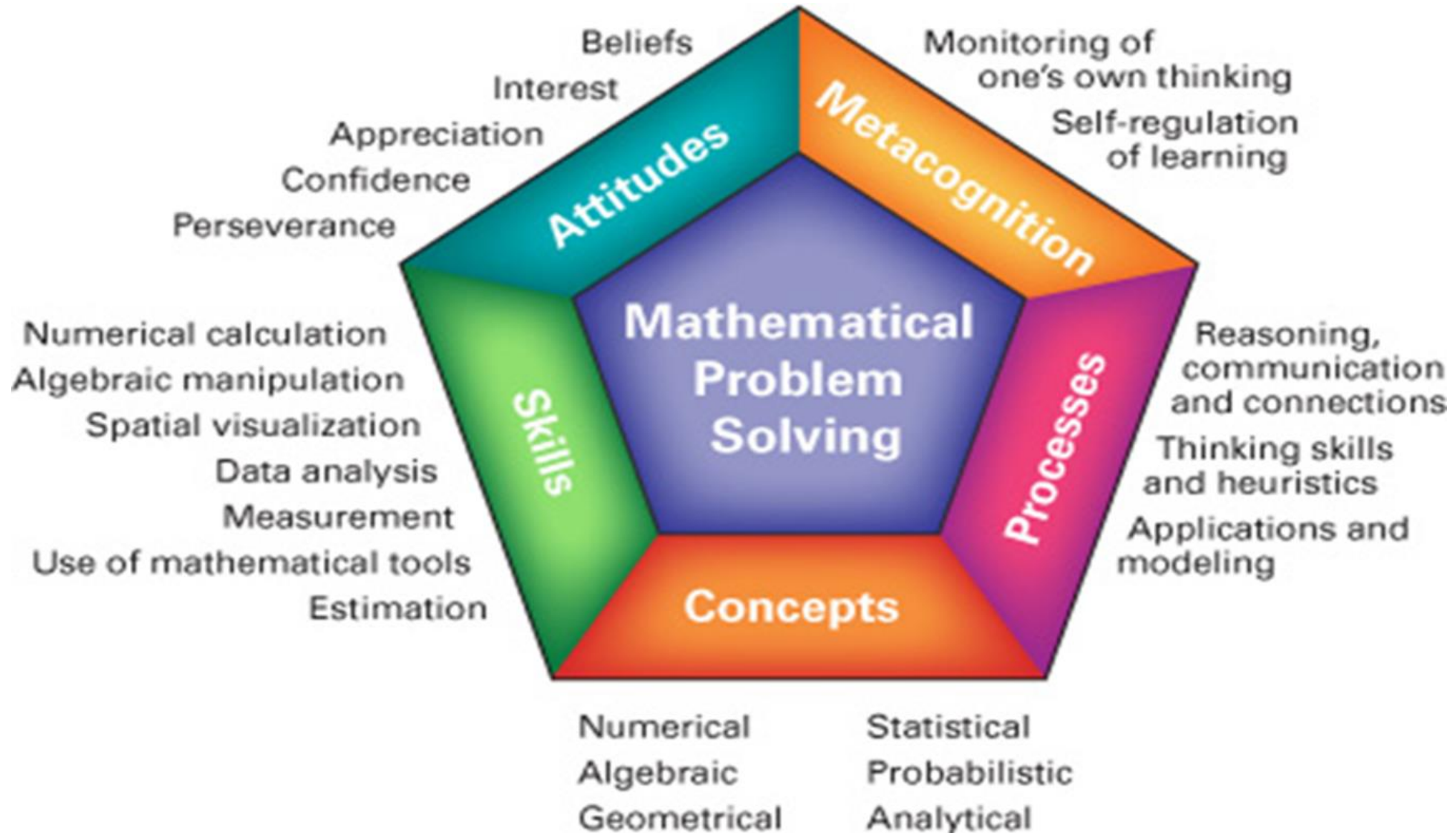


Ma Department Vision

**A Creative, Innovative and Effective Mathematics
Problem Solver**



Ma Framework



From the Singapore Ministry of Education

Ma Syllabus Organisation (S)

The syllabus is organised along three content strands with a listing of mathematical processes that cut across the 3 strands.

3 Content Strands + 1 Process Strand		
Number and Algebra	Measurement and Geometry	Statistics
<ul style="list-style-type: none">• Four Operations – Fractions• Percentage• Ratio• Distance, Time and Speed• Algebra	<ul style="list-style-type: none">• Area and Circumference of Circle• Volume of Cube and Cuboid• Special Quadrilaterals• Nets	<ul style="list-style-type: none">• Pie Charts
Mathematical Processes		
Reasoning, Communication, Connection, Application, Thinking Skills and Heuristics		

Ma Syllabus Organisation (F)

The syllabus is organised along three content strands with a listing of mathematical processes that cut across the 3 strands.

3 Content Strands + 1 Process Strand

Number and Algebra

- Fraction and Division
- Four Operations – Fractions
- Multiplication and Division – Decimals
- Percentage

Measurement and Geometry

- Area of Triangle
- Volume of Cube and Cuboid
- Rectangle, Square and Triangle

Statistics

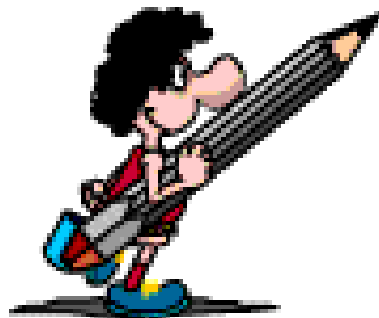
- Pie Charts
- Average of a set of data

Mathematical Processes

Reasoning, Communication, Connection, Application, Thinking Skills and Heuristics

Common Last Topics in the P6 Scheme of Work

Mathematics	Foundation Mathematics
Algebra	Geometry (Triangles)
Speed	Area (Area of Triangle)
Geometry (Nets)	-



Heuristics (P1 to P5)

Draw a diagram/ model

Make a systematic list/ tabulation

Look for patterns

Guess and Check

Act it Out

Use Before-and-After Concept

Work Backwards

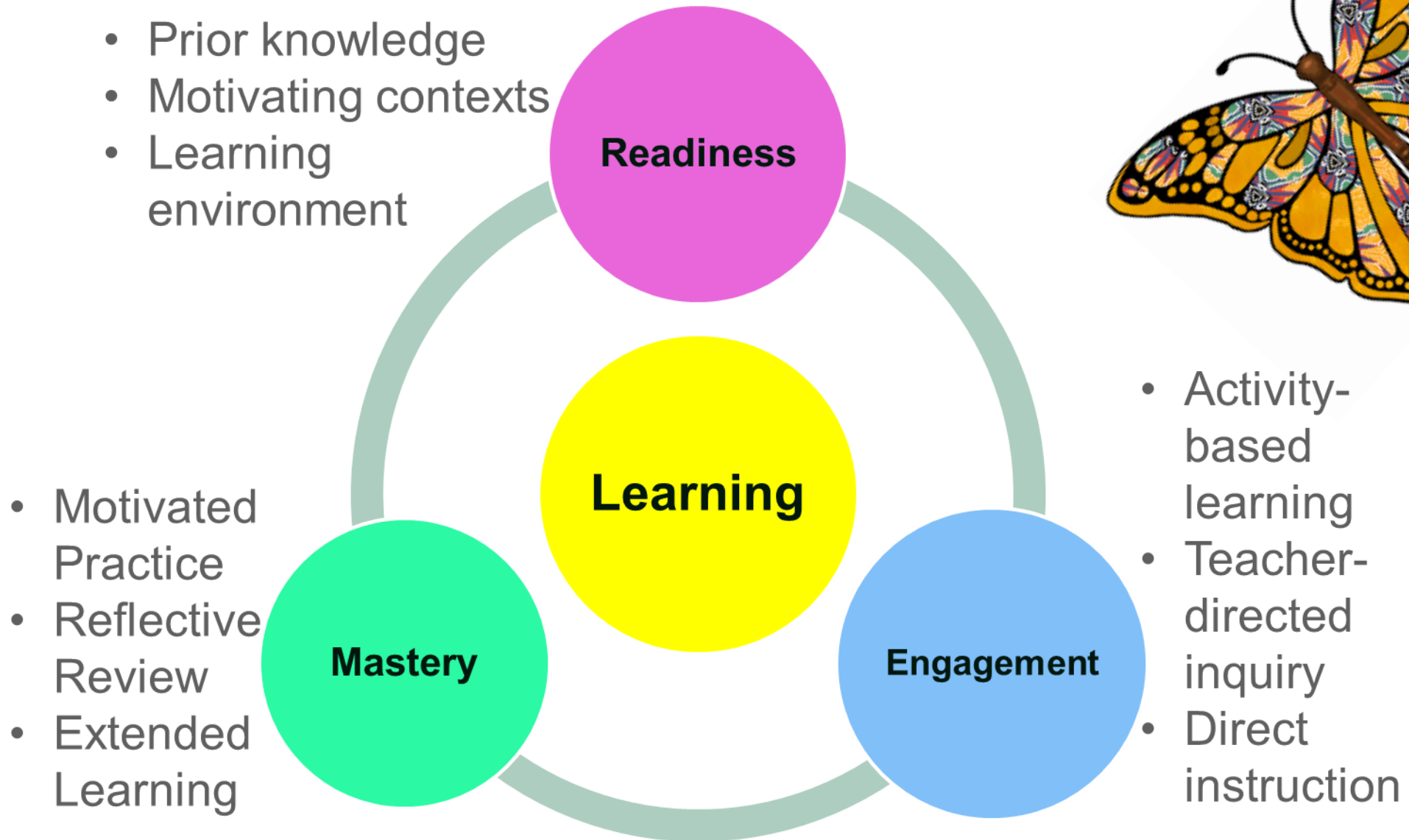
Restate the problem in another way

Simplify the problem

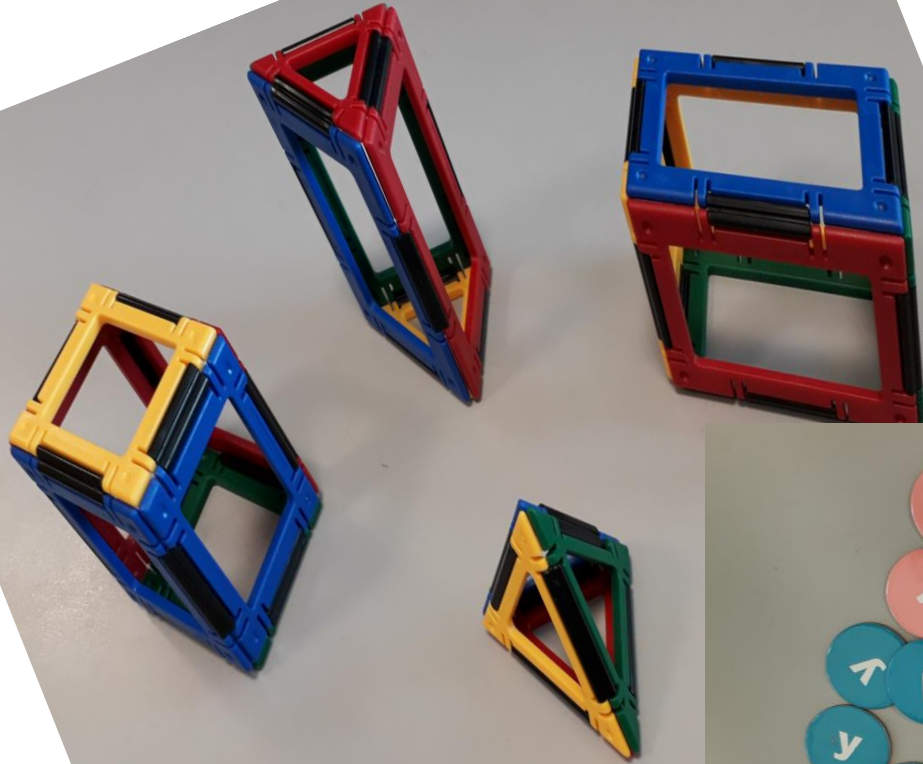
Make suppositions



Phases of Learning



Experiential Learning Activities



Department Programmes

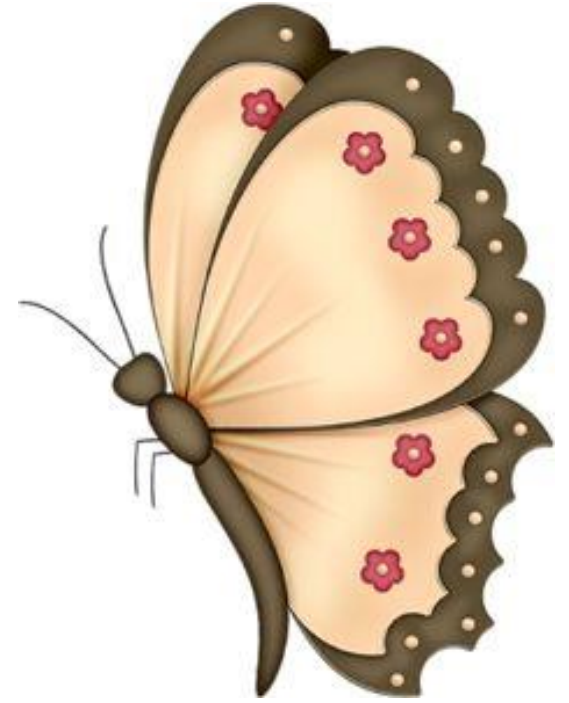
MDPW

STEAM Week

Talent
Development

E2K

Math
Olympiad



Ma Packages

- **Reasoning Cartoon**
- Develop thinking, reasoning, communication, application and metacognitive skills with the help of our cartoon characters, Chendol, Kachang, Cheng Teng and Cha Cha.



Kachang



Cha Cha



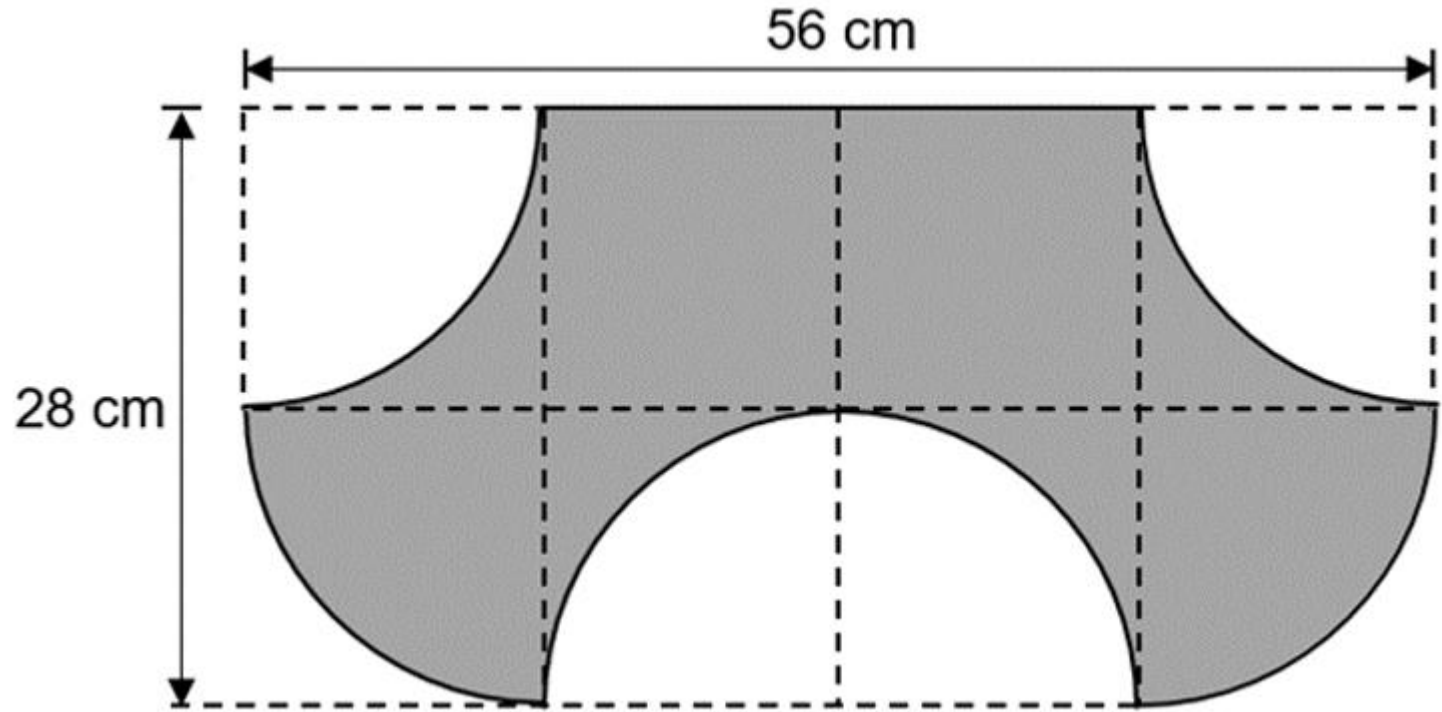
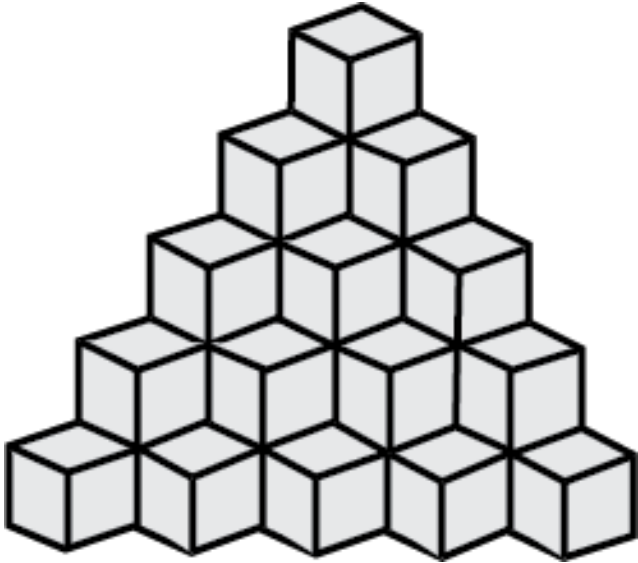
Cheng Teng



Chendol

Ma Packages

Spatial Visualization



Checkpoints

Daily assignments

Experiential Learning activities

Class, group and individual tasks

Diagnostic Package

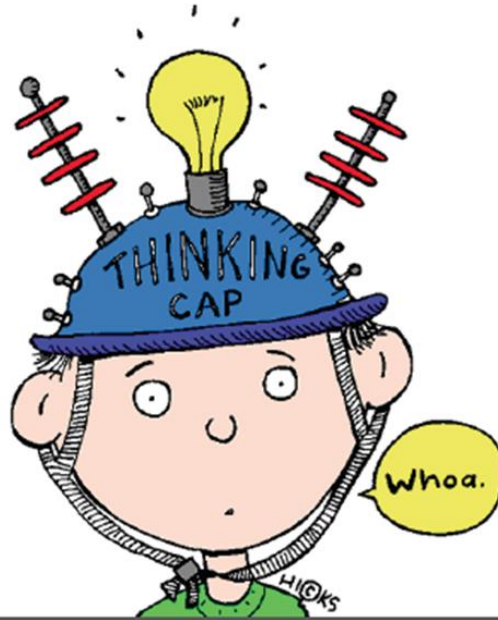
Open Ended Tasks

Spatial Visualization package

Timed-Practice



what
do you
think is
going on?



How can you help your child in Mathematics

CONTACT DETAILS

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- see_rui_si@schools.gov.sg

