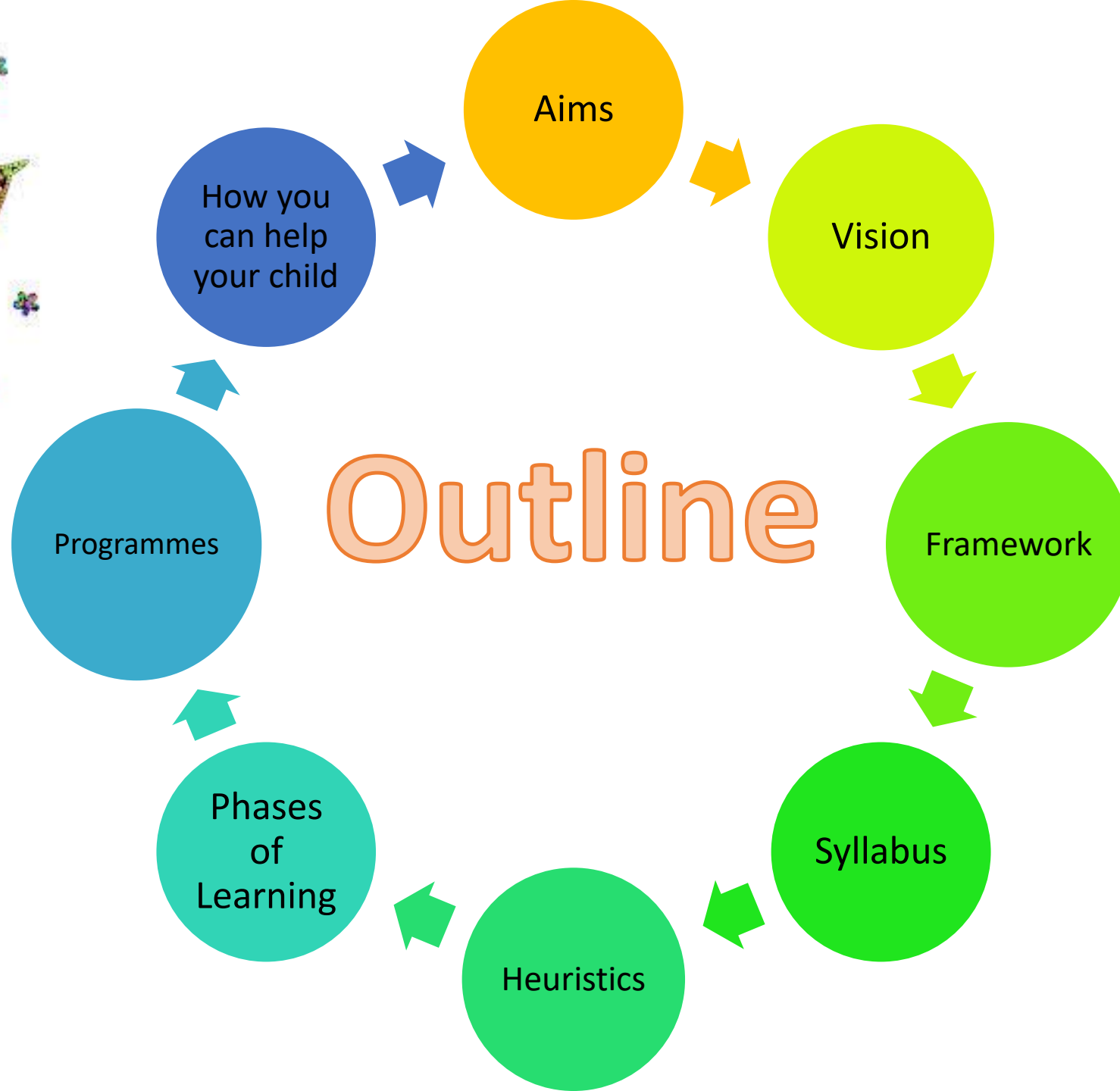




MATHEMATICS

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

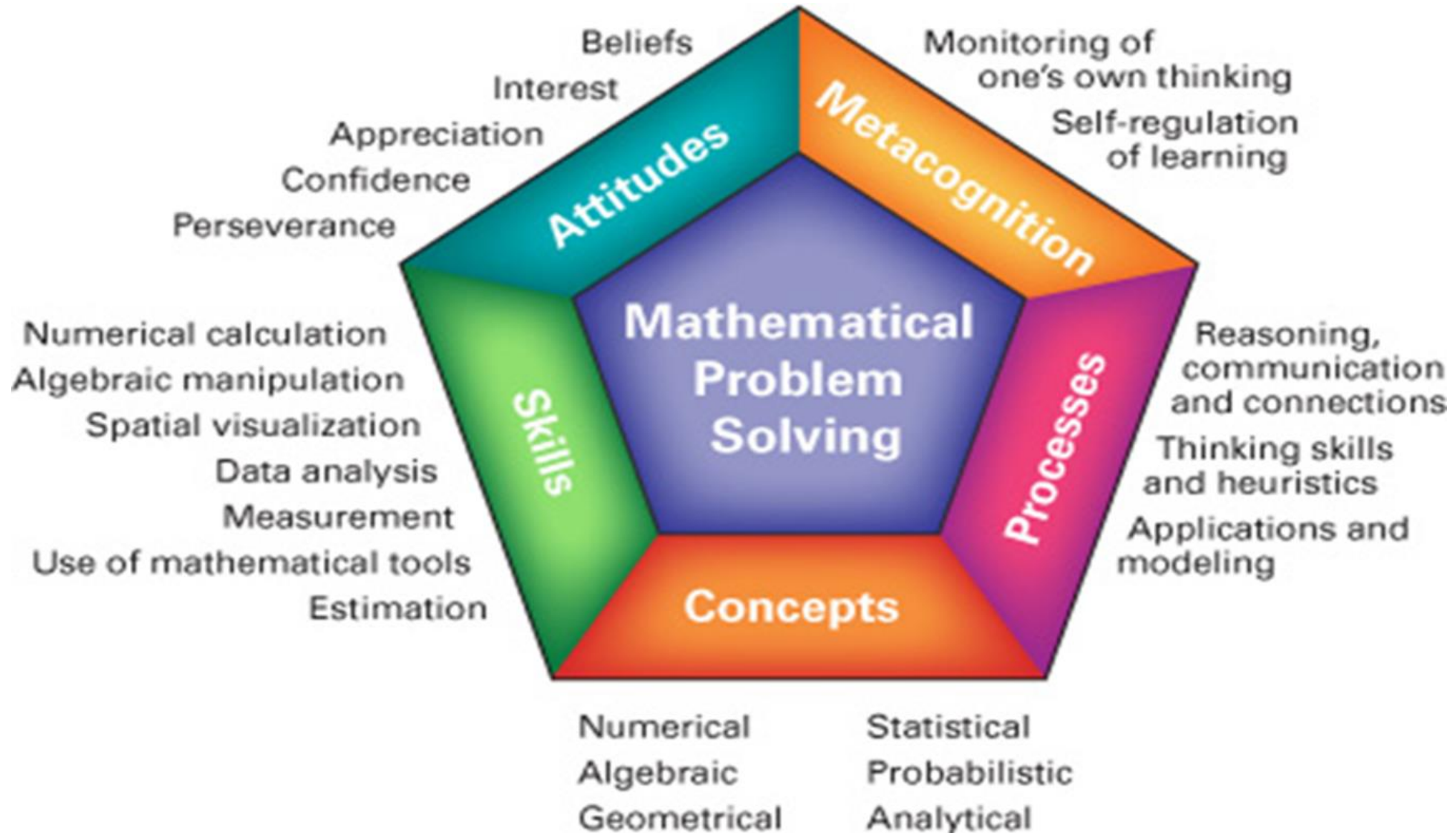


Ma Department Vision

**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

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

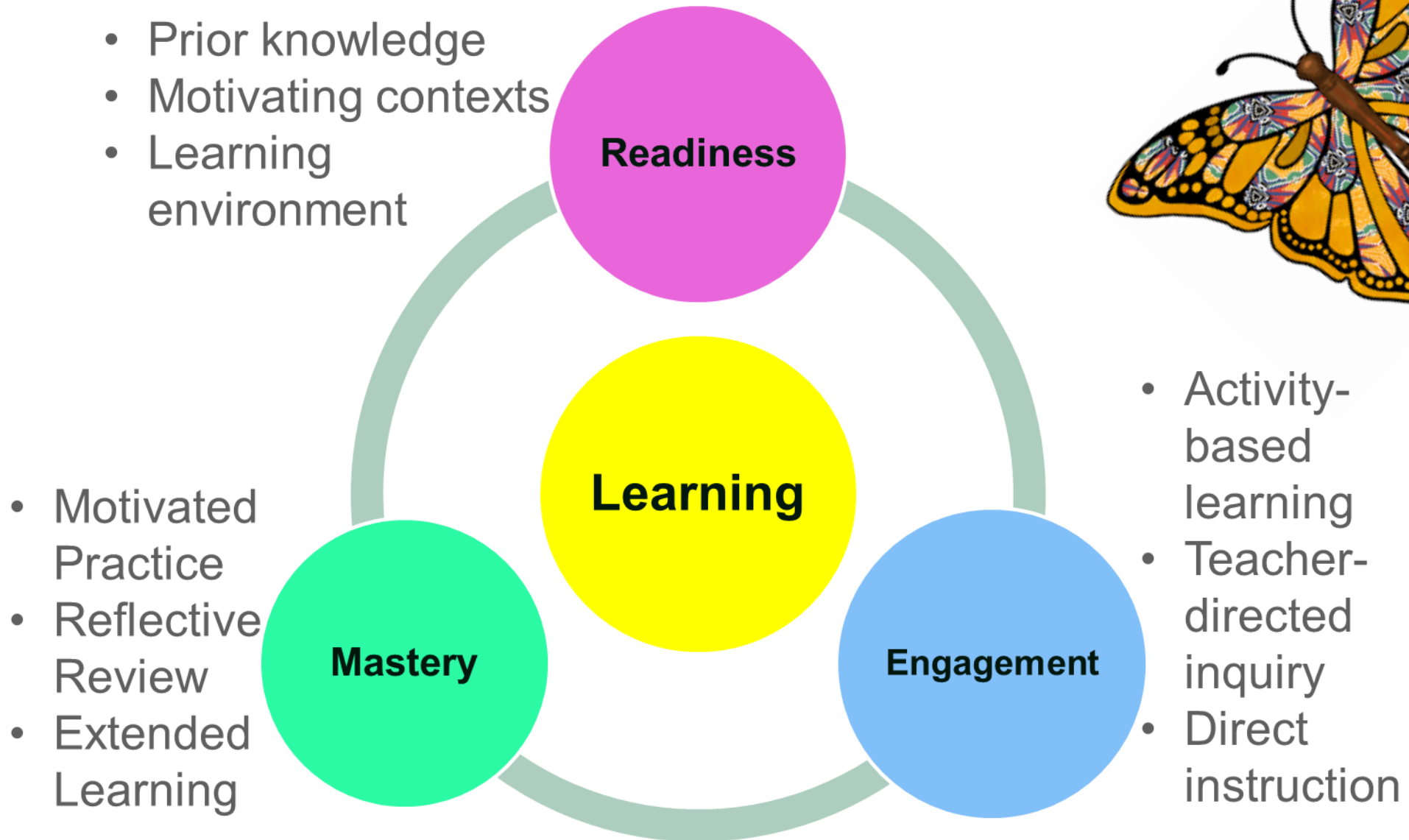
Restate the problem in another way

Simplify the problem

Make suppositions



Phases of Learning



P6 Instructional Programmes

To help **students build strong foundation** in primary Math through a structured teaching sequence and supporting manipulatives and materials based on the concrete-pictorial-abstract (CPA) approach.



Checkpoints

Daily
assignments

Experiential
Learning
activities

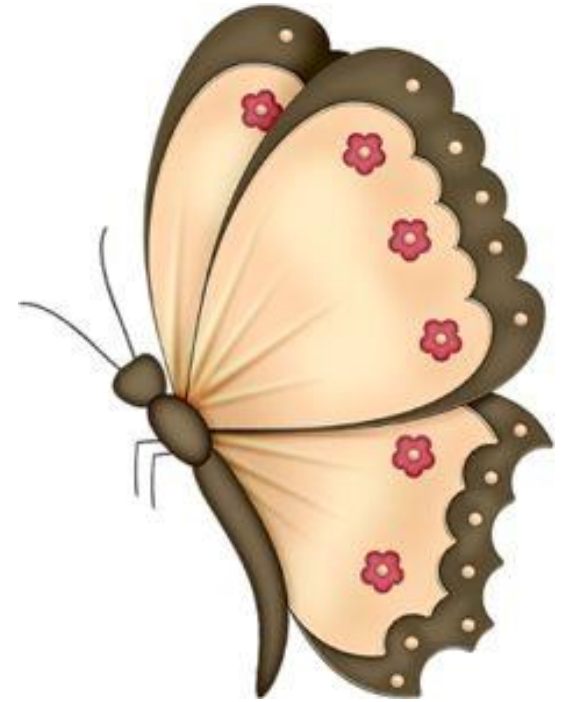
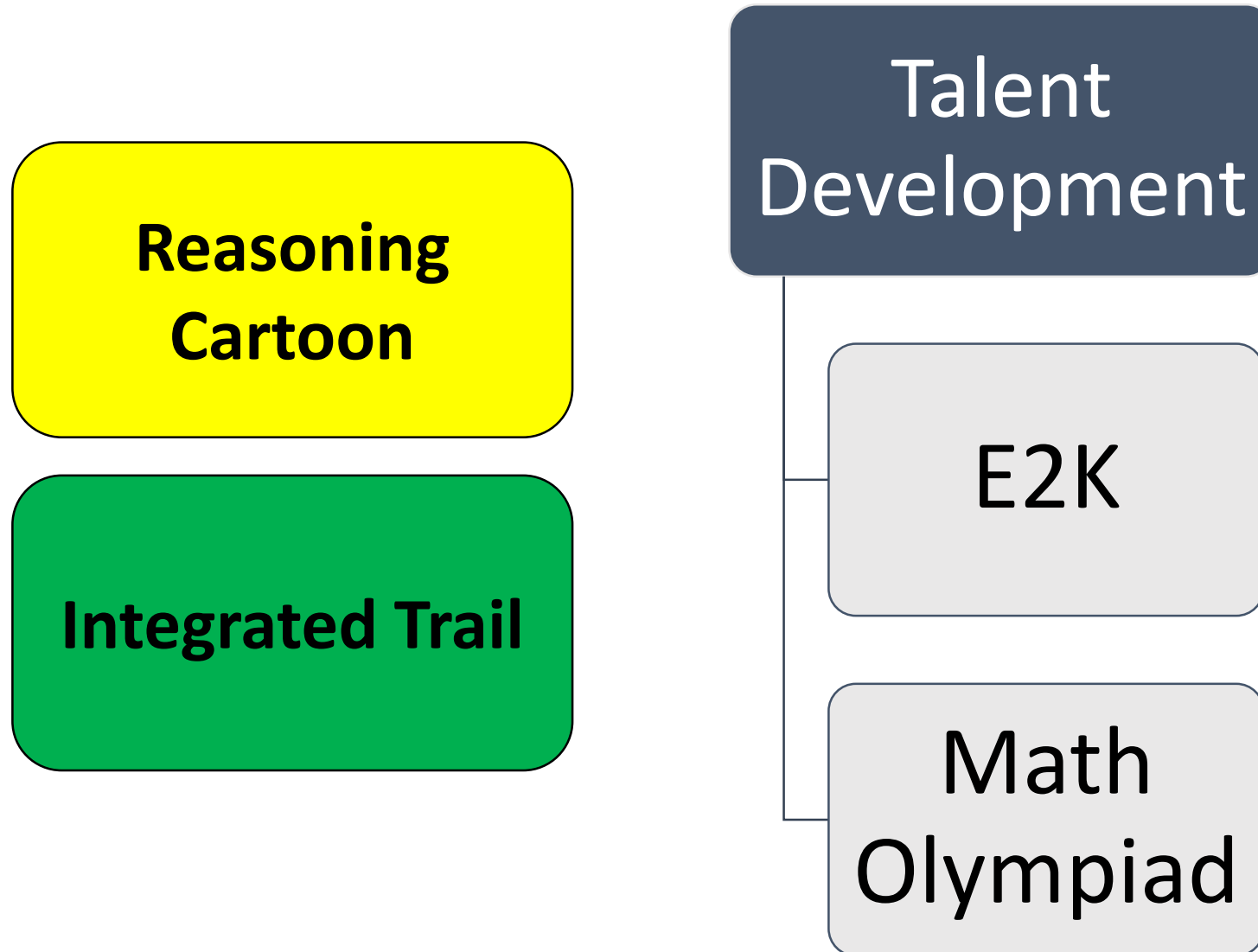
Class, group
and individual
tasks

Diagnostic
Package

Open Ended
Tasks



Department Programmes

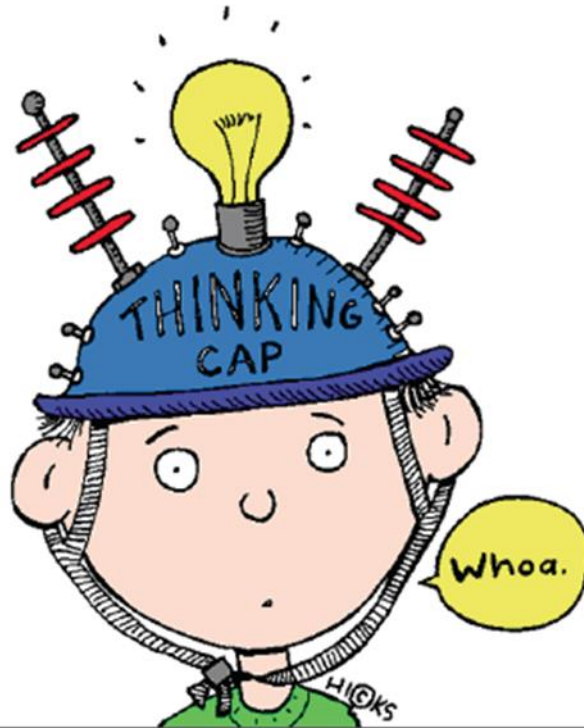


Experiential Learning Activities



How can you help your child in Mathematics

what
do you
think is
going on?



CONTACT DETAILS

HOD Mathematics

- leng_sok_wah_Celina@schools.gov.sg

LH Mathematics

- lim_li_shan@schools.gov.sg

