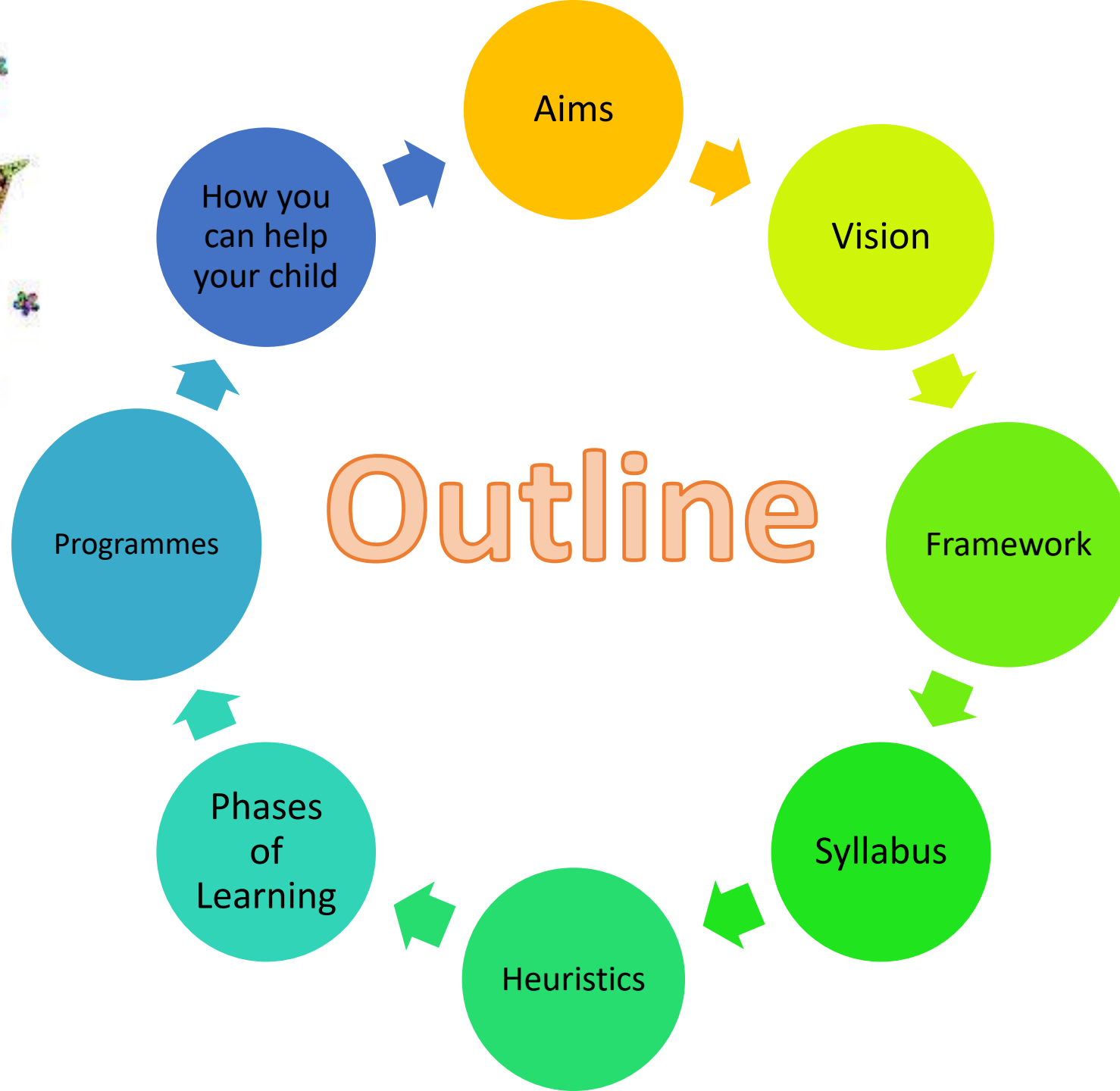




MATHEMATICS

Information for Primary 5 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

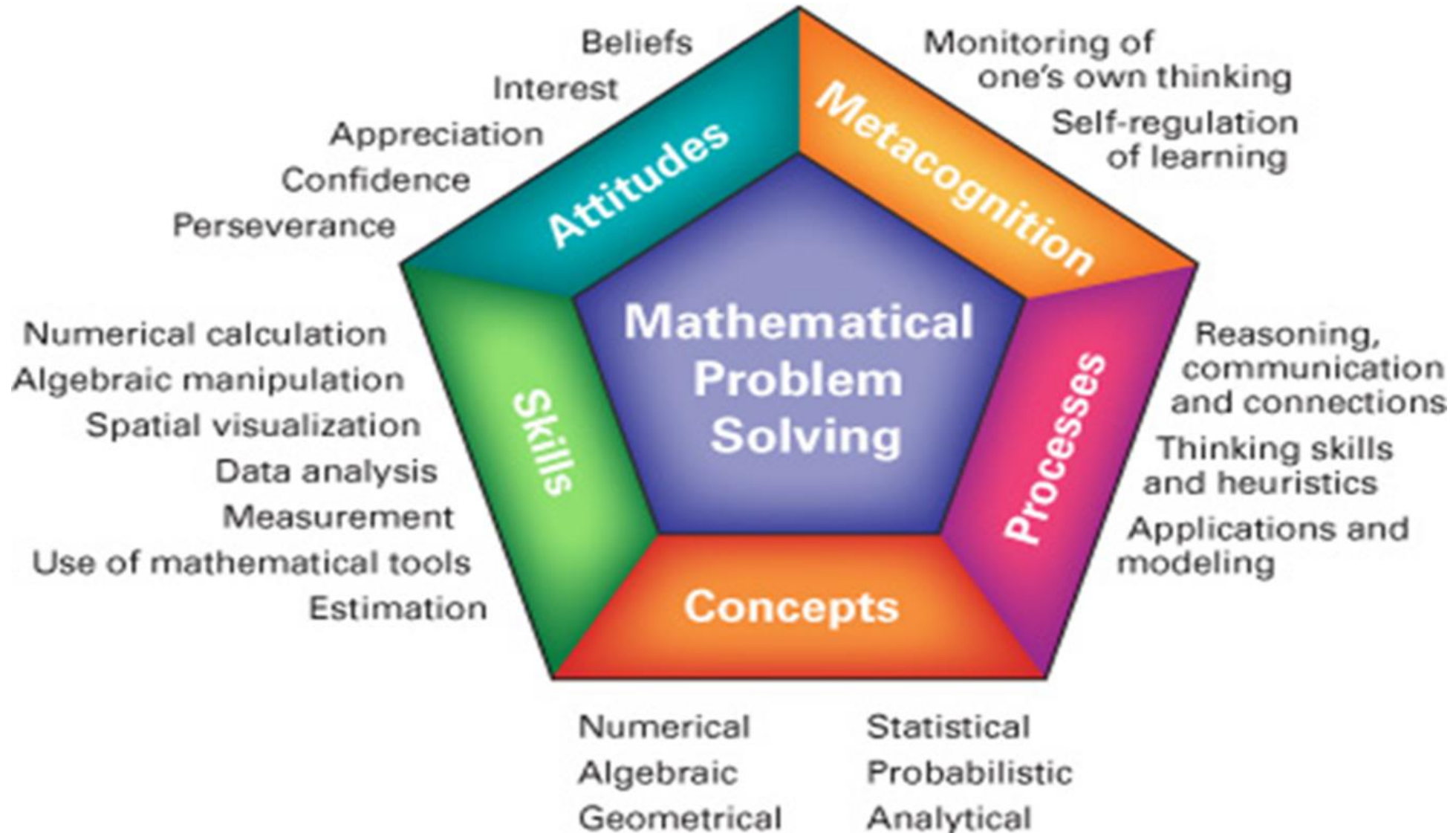


Ma Department Vision

**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">Numbers Up to 10 MillionFour Operations – Whole NumbersFraction and DivisionFour Operations – FractionFour Operations - DecimalsPercentageRatioRate	<ul style="list-style-type: none">Area of TriangleVolume of Cube and CuboidAnglesTrianglesParallelogram, Rhombus and Trapezium	<ul style="list-style-type: none">Average of a set of data
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	Measurement and Geometry	Statistics
<ul style="list-style-type: none">Numbers Up to 10 MillionFour Operations – Whole NumbersFactors and MultiplesConcepts of FractionsEquivalent FractionsMixed Numbers and Improper FractionsFour Operations – FractionsDecimals Up to 3 Decimal PlacesFour Operations – DecimalsRate	<ul style="list-style-type: none">TimeArea and PerimeterVolume of Cube and CuboidPerpendicular and Parallel LinesAnglesRectangle and Square	<ul style="list-style-type: none">Tables, Bar Graphs and Line Graphs
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

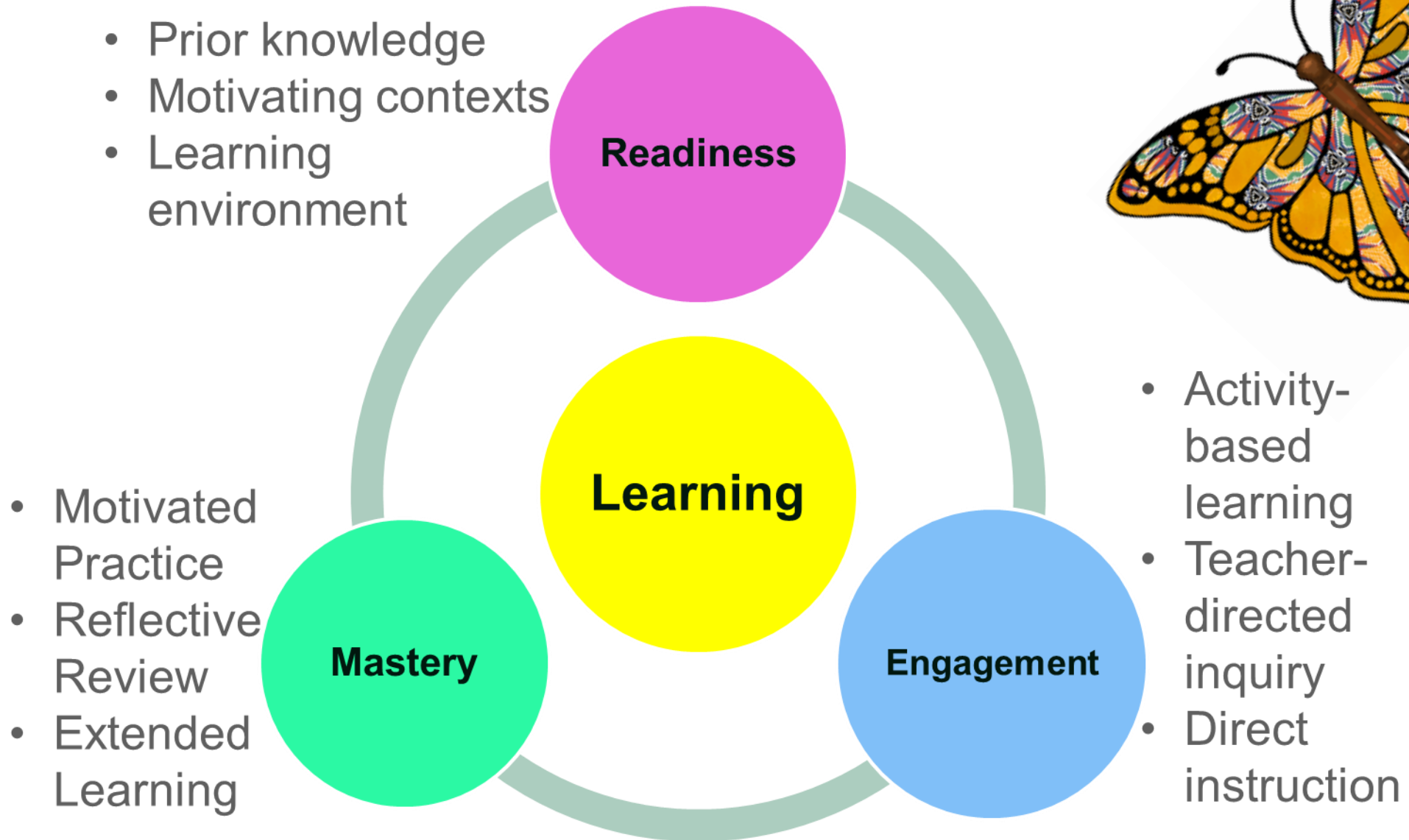
Restate the problem in another way

Simplify the problem

Make suppositions

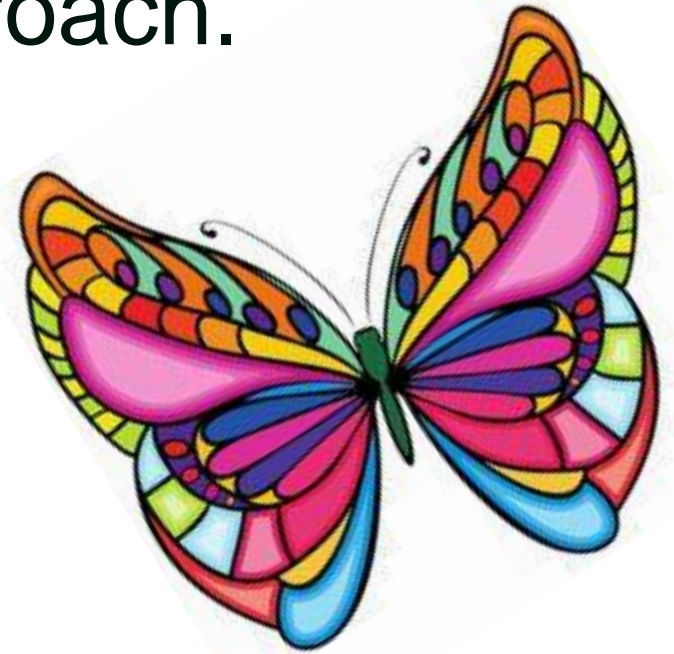


Phases of Learning



P5 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

Math Alive

Class, group
and individual
tasks

Diagnostic
Package

Open Ended
Tasks



Department Programmes

**Reasoning
Cartoon**

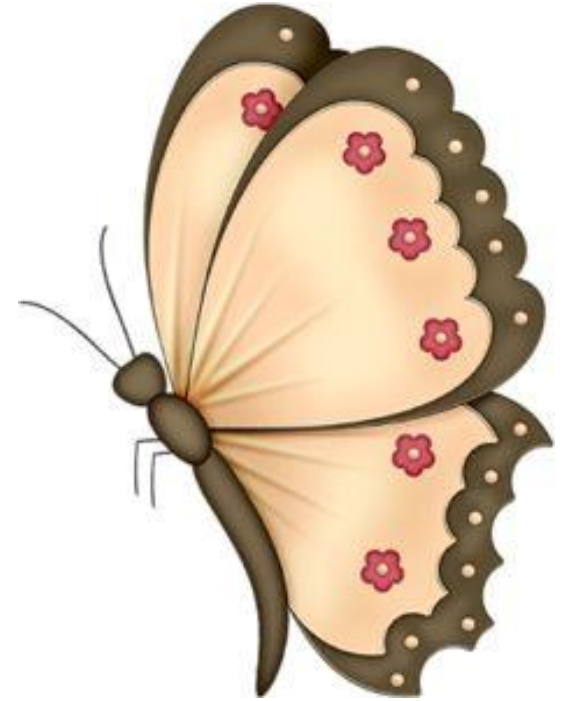
Math Alive

Integrated Trail

**Talent
Development**

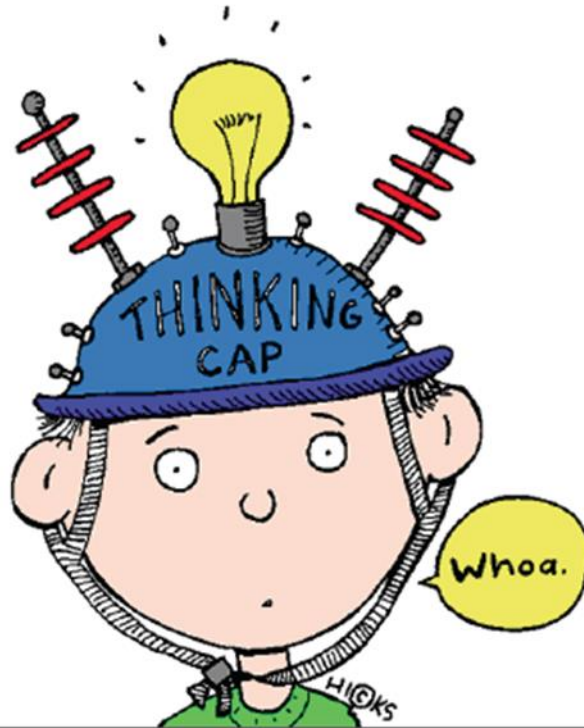
E2K

**Math
Olympiad**



How can you help your child in Mathematics

what
do you
think is
going on?



CONTACT DETAILS

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