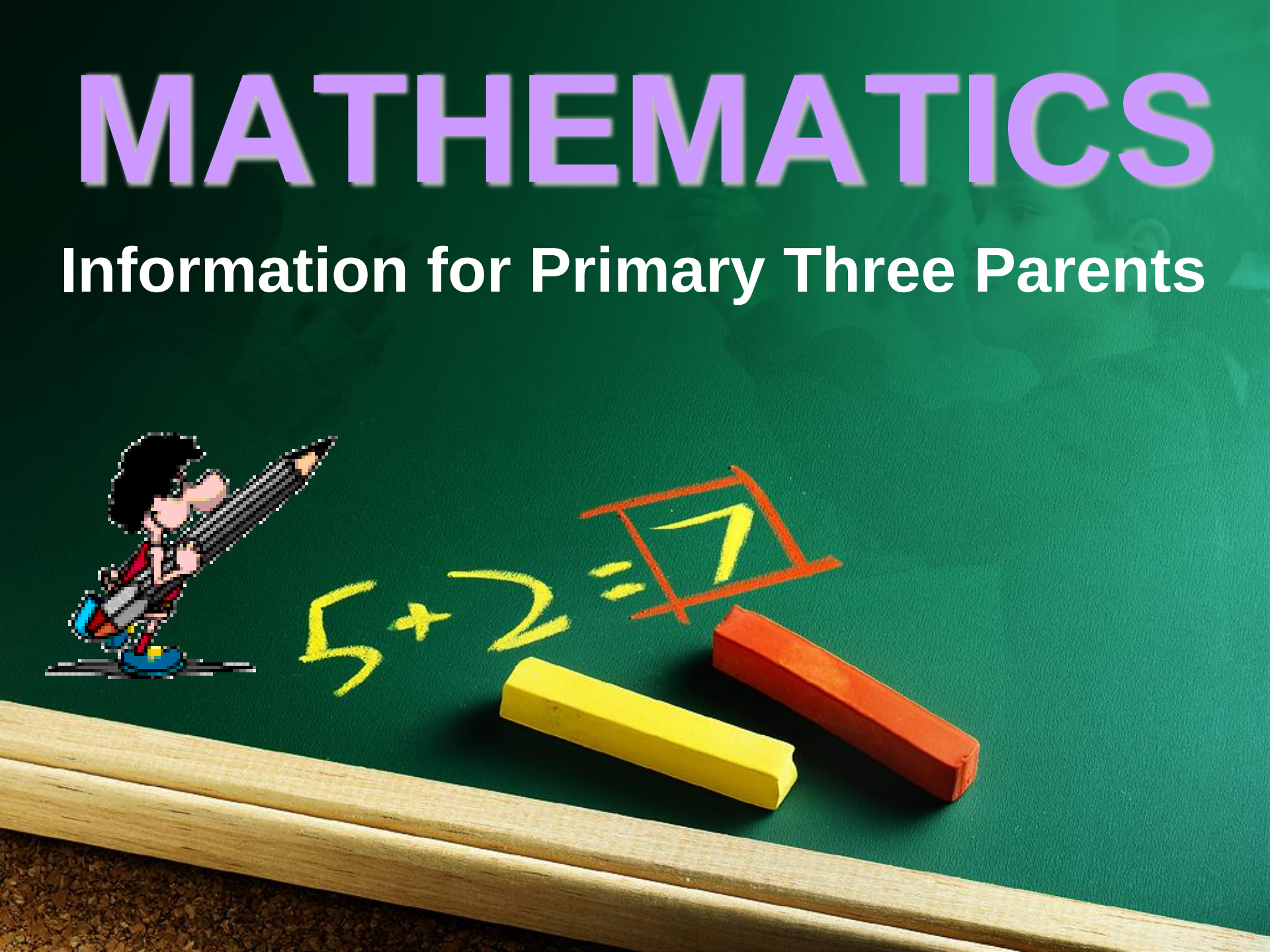
MATHEMATICS

Information for Primary Three Parents



Primary Mathematics (Laying a strong foundation)

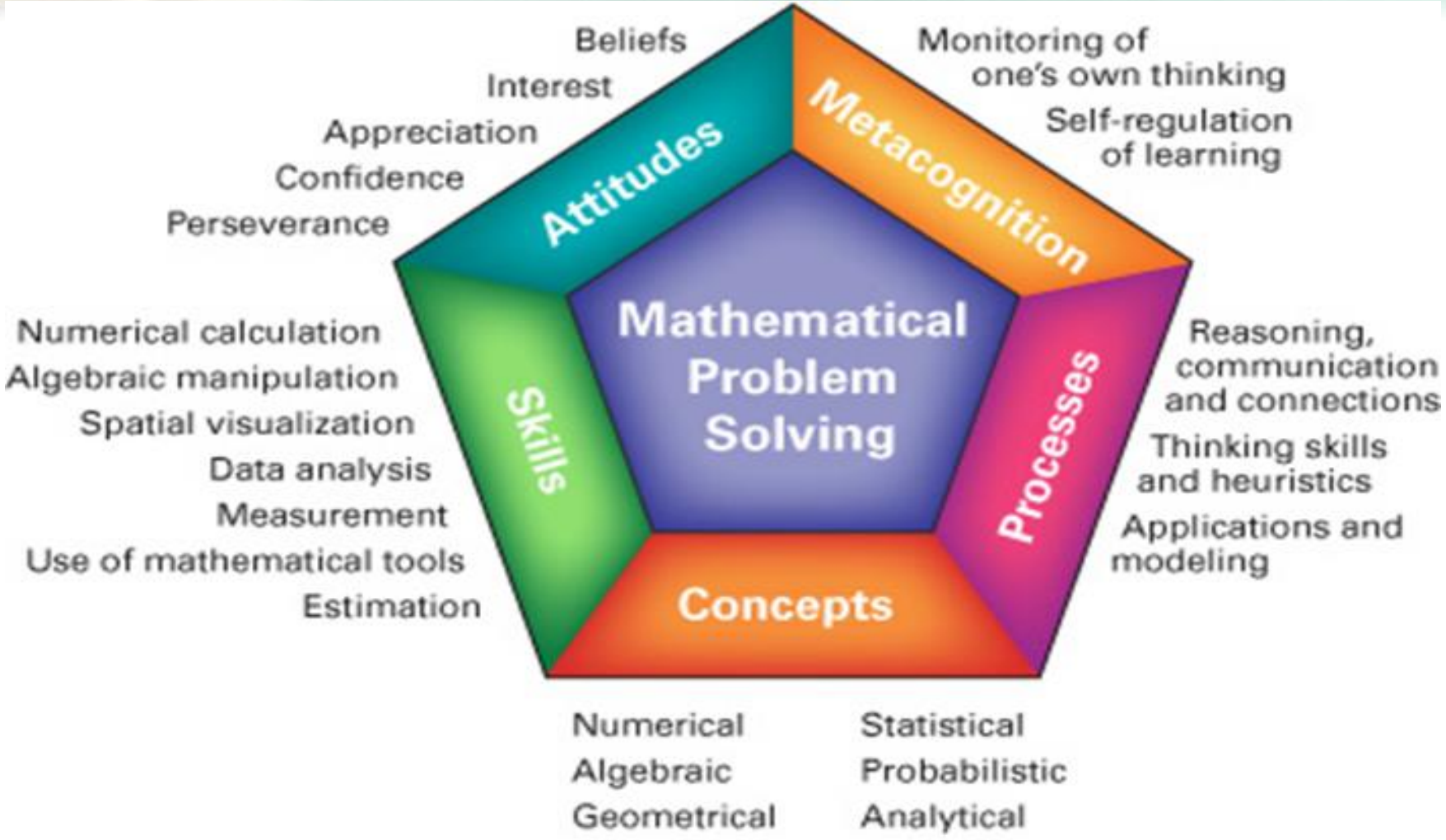
The Primary Mathematics syllabus aims to enable all students to:

- 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

Our Vision

A Creative, Innovative and Effective Mathematics Problem Solver

Mathematics Framework



From the Singapore Ministry of Education

Syllabus Organisation

The syllabus is organised along 3 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
Mathematical Processes		

P3 Syllabus

Number & Algebra (Strand)

- ✓Numbers up to 10 000
- ✓Addition of subtraction up to 10 000
- ✓Multiplication Tables of 6, 7, 8 and 9
- ✓Equivalent Fractions
- ✓Addition and Subtraction of Fractions

P3 Syllabus

Number & Algebra (Strand)

- ✓Money

P3 Syllabus

Measurement & Geometry (Strand)

- ✓Time
- ✓Length, Mass and Volume
- ✓Area and Perimeter
- ✓Angles
- ✓Perpendicular and Parallel lines

Statistics (Strand)

- ✓Bar Graphs

P3 Syllabus

Mathematical Processes

- ✓Reasoning, communication & connections
- ✓Applications
- ✓Thinking skills & heuristics

Heuristics (P1-P5)

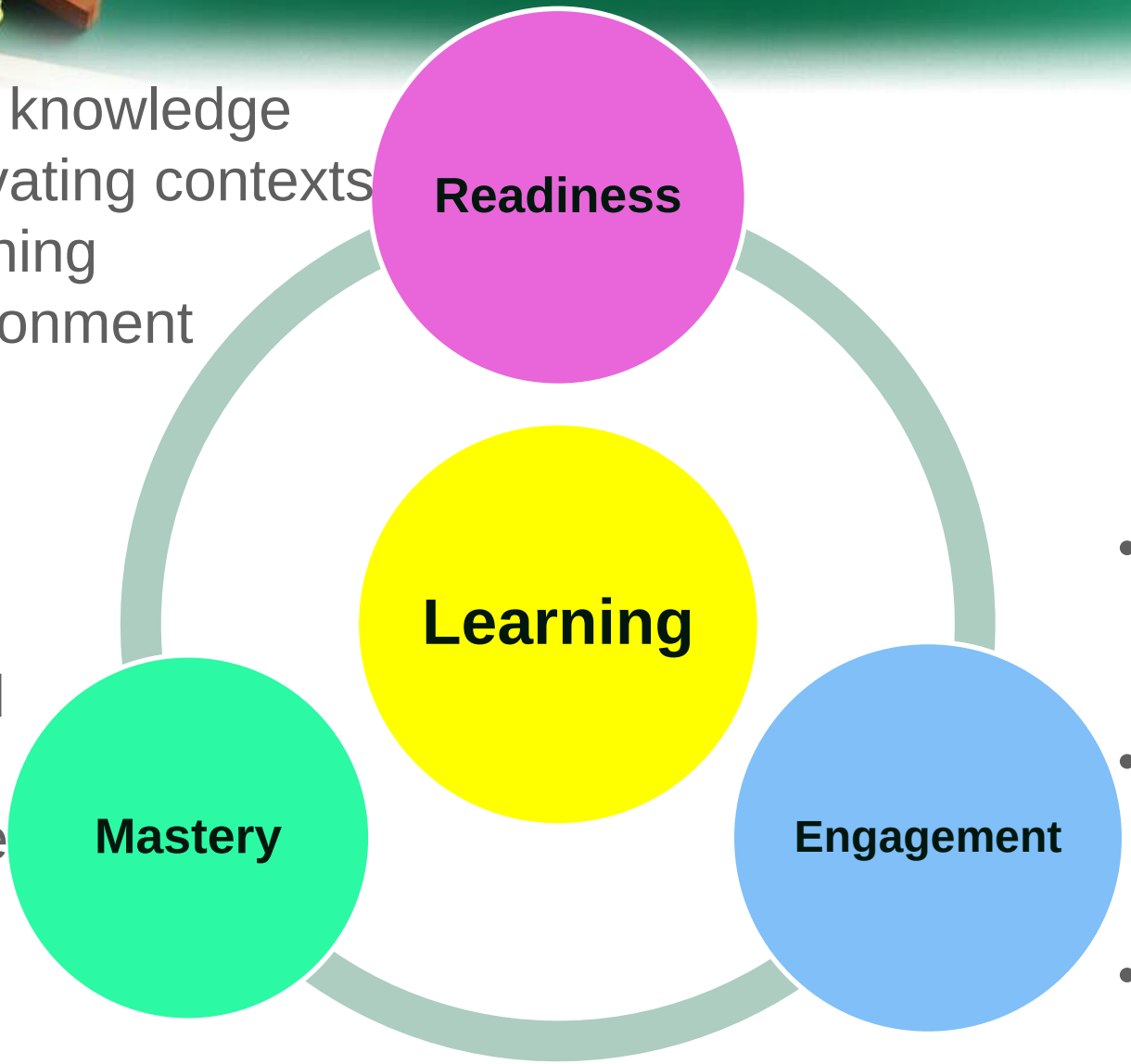
1. Draw a model/diagram
2. Make a systematic list/tabulation
3. Look for patterns
4. Guess and check
5. Act it out
6. Use before-after concept

Heuristics (P1-P5)

7. Work backwards
8. Restate the problem in another way
9. Simplify the problem
10. Make suppositions

Phases of Learning

- Prior knowledge
- Motivating contexts
- Learning environment



- Motivated Practice
- Reflective Review
- Extended Learning

- Activity-based learning
- Teacher-directed inquiry
- Direct instruction

Checkpoints

Platforms to check learning at Primary 4

- Daily assignments
- Experiential Learning activities
- Class, group and individual tasks
- Presentation

P3 Programmes

Primary Mathematics Instructional Programme

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.

MATH KEY Programmes

Fun with Learning

Integrated Trail

Talent Development

- Math Olympiad

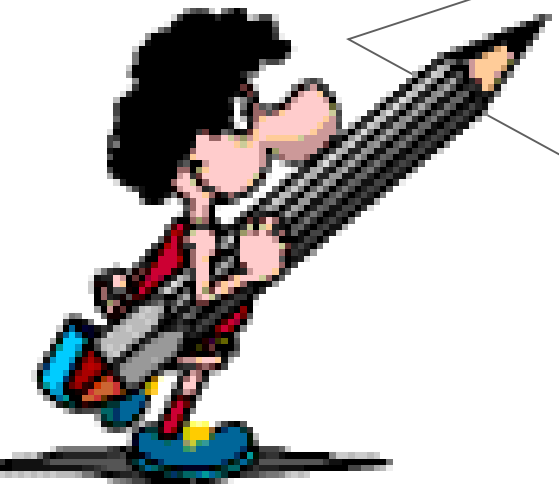
Reasoning Cartoon

Math Alive

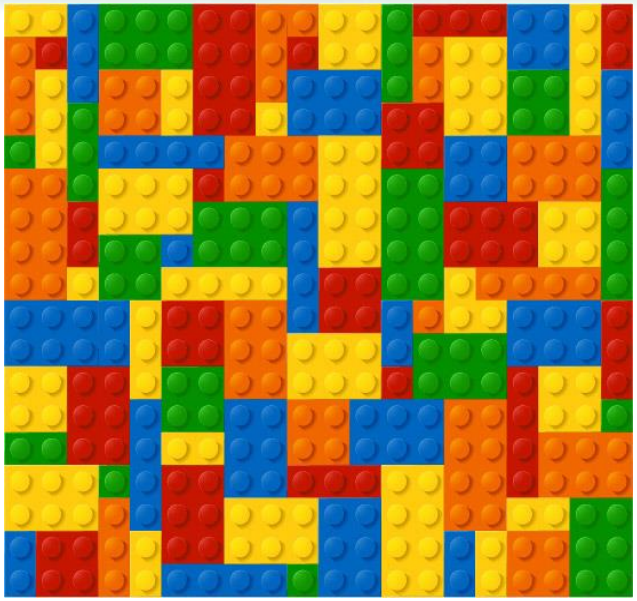
CPA Approach

Our approach when teaching Math concepts to young children is from ‘Concrete’ to ‘Pictorial’ to ‘Abstract’.

C-P-A Approach



Experiential Learning



HOW YOU CAN HELP YOUR CHILD IN MATHEMATICS

what
do you
think is
going on?

Contact Details

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THANK YOU