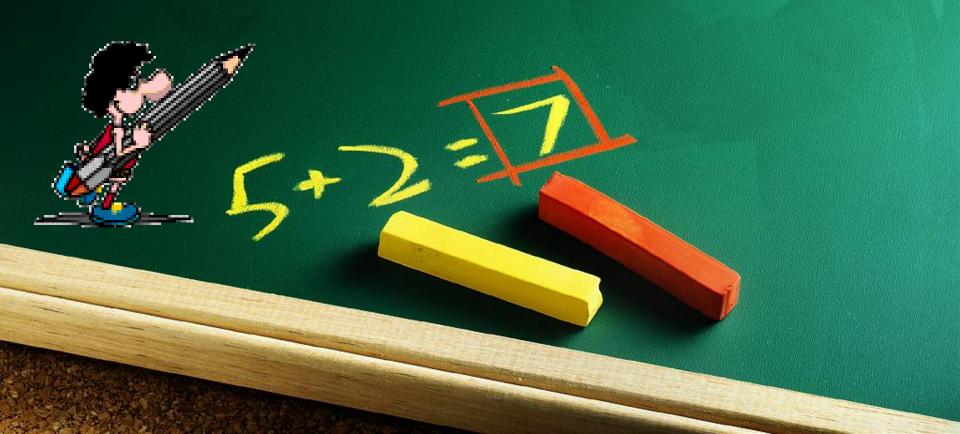
MATHEMATICS

Information for Primary Four Parents





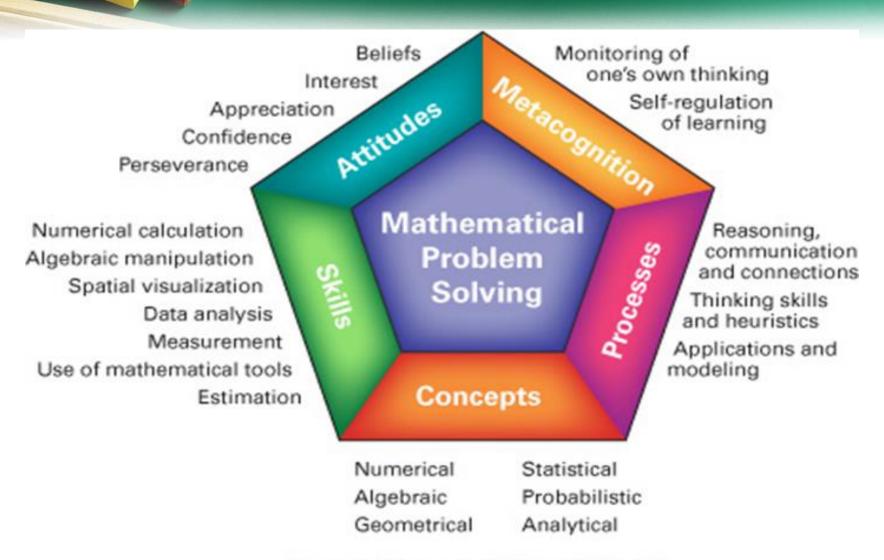
Primary Mathematics (Laying a strong foundation)

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

5+2=

Mathematics Framework



From the Singapore Ministry of Education



Our Vision

A Creative, Innovative and Effective Mathematics Problem Solver





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	Measurement and Geometry	Statistics		
Mathematical Processes				



Number & Algebra

- √Numbers up to 100 000
- √ Factors and Multiples
- **√** Four Operations
- ✓ Mixed Numbers and Improper Fractions
- √ Fraction of a set of objects
- ✓ Addition and subtraction Fraction



Number & Algebra

- ✓ Decimals up to 3 decimal places
- ✓ Addition and Subtraction Decimals
- ✓ Multiplication and Division Decimal



Measurement & Geometry

- **√Time**
- **✓ Area and Perimeter**
- ✓ Angles
- √ Rectangle and Square
- **✓ Line Symmetry**



Statistics

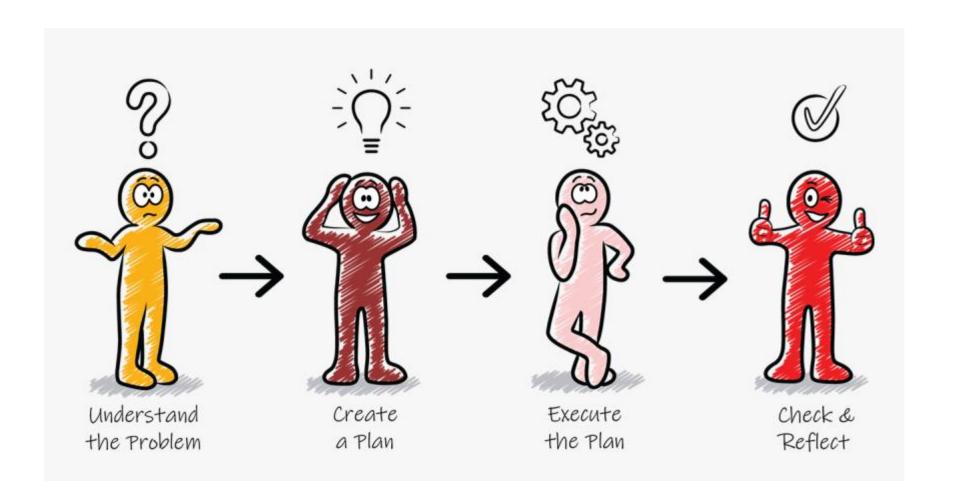
√Tables and Line Graphs

Mathematical Processes

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



Polya's 4 stages of Problem-Solving



5+2=

Heuristics (P1-P5)

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



Phases of Learning

Readiness

- Prior knowledge
- Motivating contexts
- Learning environment

Learning

- Motivated Practice
- Reflective Review
- Extended Learning

Mastery

Engagement

- Activitybased learning
- Teacherdirected inquiry
- Direct instruction



MATH Key Programmes

Talent Development

Math Alive

STEAM Week

E2K

Math Olympiad

MPTP



Checkpoints

Platforms to check learning at Primary 4

Daily Assignments Diagnostic Package

Experiential Learning Activities

Math Alive

Reasoning
Cartoon

Open-ended Tasks



Reasoning Cartoon

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











School Assessment Weighting

Level	Term 1	Term 2	Term 3	Term 4
	Weighted	Weighted	Weighted	Semestral
Primary 4	Assessment	Assessment	Assessment	Assessment
	10%	15%	10%	65%



Weighted Assessments

Duration: 45 to 55 minutes

- Short-Answer Questions
- Long-Answer Questions

Can be found in Parents Gateway "February 2023 Notification – P4"

Unit Review 1

- Chapter 1: Numbers to 100 000
- Chapter 2: Factors and Multiples
- Chapter 3: Multiplication and Division of Whole Numbers
- Chapter 4: Whole numbers Word Problems

Unit Review 2

- Chapter 4: Whole Numbers
 - Word Problems
- Chapter 5: Angles
- Chapter 6: Squares and Rectangles
- Chapter 7: Symmetry

Unit Review 3

- Chapter 8: Fractions
- Chapter 9: Addition and Subtraction of Fractions
- Chapter 10: Decimals
- Chapter 11: The Four Operations of Decimals



P4 SA2 Paper Format

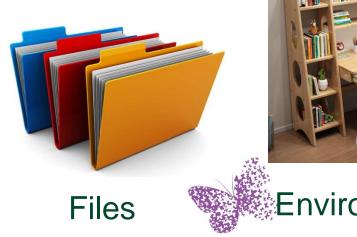
Section A	Section B	Section C
20 MCQ	20 SAQ	5 LAQ
40 Marks	40 Marks	20 Marks
	Total Marks: 100	

Duration: 1 hour 45 minutes

MCQ – Multiple Choice Question LAQ – Long-answer Question

SAQ – Short-answer Question

How can you help your child in Mathematics?









Routine



Targets

How can you help your child in Mathematics?

Speak positively about Math



What can I say to myself?

INSTEAD OF:

TRY THINKING:



I'm awesome at this.

I give up.
This is too hard.

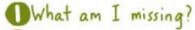
I can't make this any better.

I just can't do Math.

I made a mistake.

She's so smart. I will never be that smart.

It's good enough.
Plan "A" didn't work.



2 I'm on the right track.



1 This may take some time and effort.

SI can always improve so I'll keep trying.

1 im going to train my brain in Math.

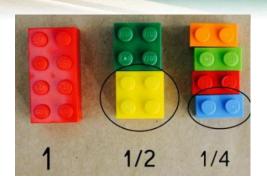
Mistakes help me to learn better.

1'm going to figure out how she does it.

Is it really my best work?

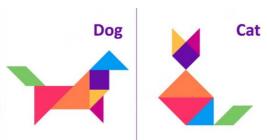
Good thing the alphabet has 25 more letters!

How can you help your child in Mathematics?

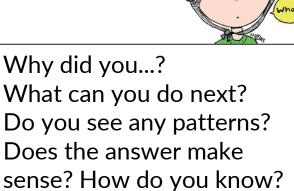








what
do you
think is
going on?



Math in Real-life

Games



Contact Details

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