Primary 2

Mathematics

Curriculum Briefing

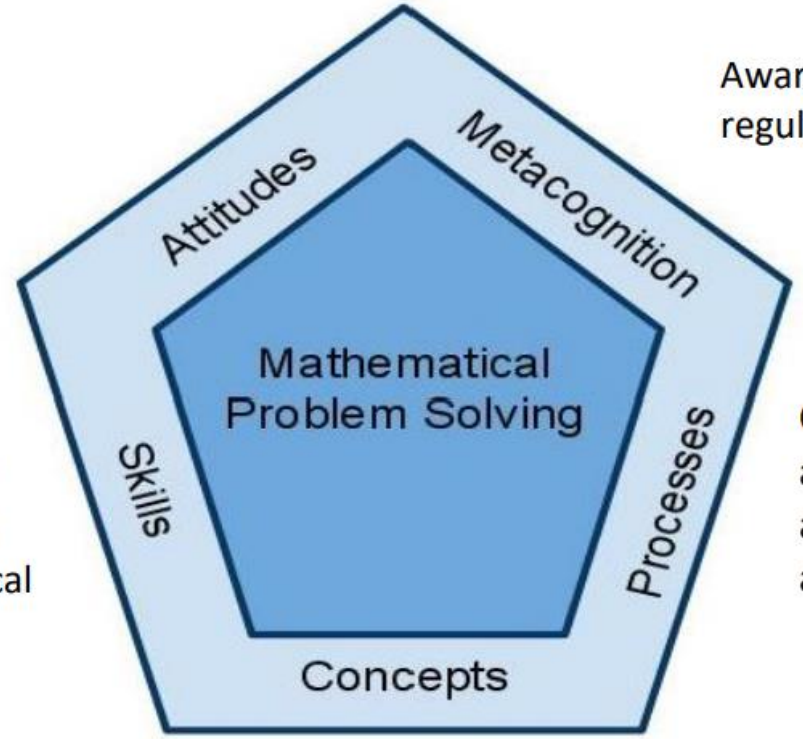
Outline

- Mathematics Curriculum Framework
- Mission
- Approach to Teaching & Learning
- Assessment

MOE Mathematics Curriculum Framework

Belief, appreciation, confidence, motivation, interest and perseverance

Awareness, monitoring and regulation of thought processes



Proficiency in carrying out operations and algorithms, visualising space, handling data and using mathematical tools

Competencies in abstracting and reasoning, representing and communicating, applying and modelling

Understanding of the properties and relationships, operations and algorithms

Mission

To enable our students to master mathematical concepts and skills for everyday life and to equip them with process skills to solve mathematical problems.

Content Sequence for P2

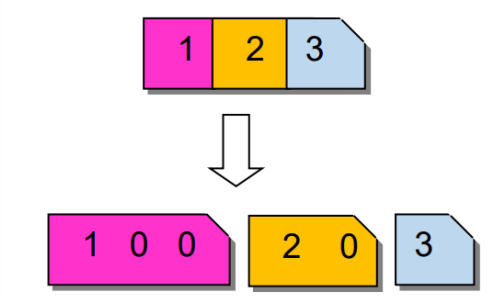
Semester 1	Semester 2
Term 1 Numbers to 1000 Addition & Subtraction Length	**Term 3** Addition & Subtraction (Word Problems) Multiplication Tables of 3 & 4 Money Fractions
Term 2 Multiplication & Division Multiplication Tables of 2, 5 & 10 Mass Time	**Term 4** Volume Picture Graphs Shapes

Approach to Teaching & Learning

CONCRETE → PICTORIAL → ABSTRACT

Approach to Teaching & Learning

Multilink Cubes

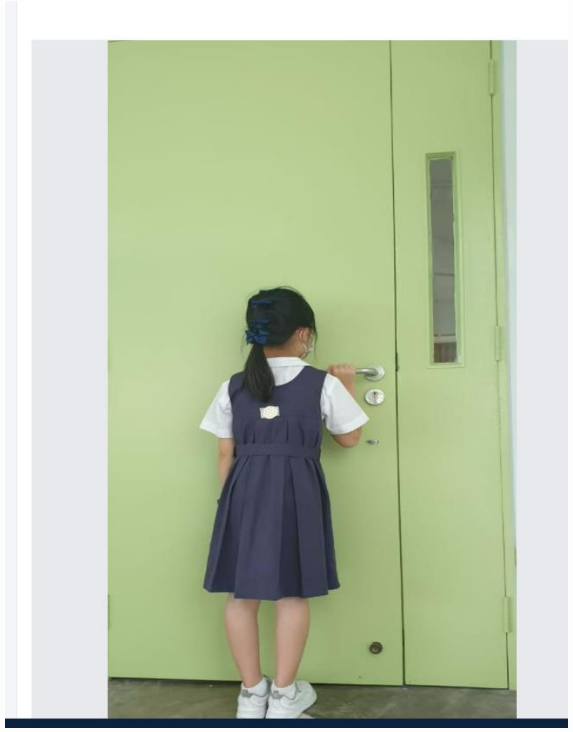


Number Discs

Fraction Discs

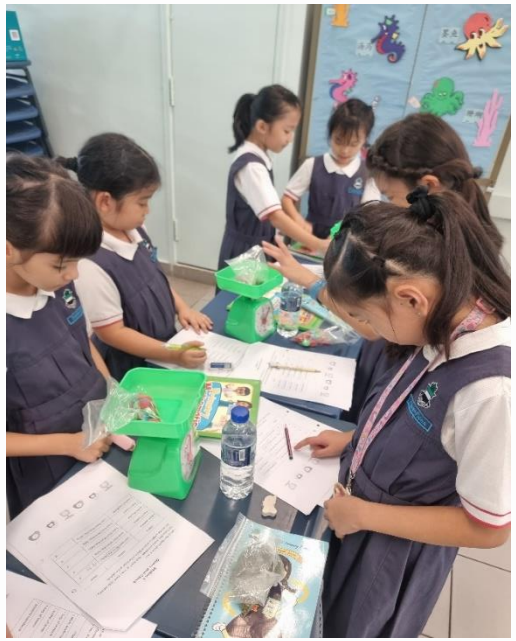
Use of concrete manipulatives to develop conceptual understanding

Teaching & Learning



Learning about length and mass

Station 1



Station 1
Guess and Check

Look at the objects given to you.
(a) Guess their mass and **circle** "less than" or "more than" appropriately
(b) Use the weighing scale to find out the mass of the objects.

Object	Guess	Mass
1 Math textbook	Less than/ More than 200g	g
1 bag of buttons	Less than/ More than 100g	g
1 bottle of water	Less than/ More than 400g	g
1 bag of beans	Less than/ More than 100g	g
1 student handbook	Less than/ More than 200g	g

Station 2

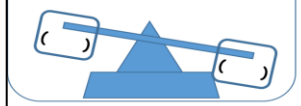
Station 2 Comparing and Ordering Masses

Put containers A, B and C on the bucket balance to compare their masses.

Label the brackets with A, B or C to show your observation.

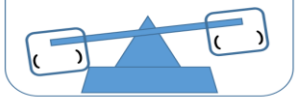
Compare the following:

Container A with Container B



Container A with Container C

Container B with Container C



Answer the questions below using the information given in the above diagram.

1. Container _____ is the heaviest.

2. Container_____ is the lightest.

3. Arrange the mass of the containers. Begin with the **lightest**.

   Container _____, Container_____, Container_____

   (lightest)

Station 3

Station 3

Weigh Your Toy!

1. Draw your Yakult craft in the box below
2. Weigh the Yakult craft using the weighing scale
3. Add in some beans into the Yakult bottle and find its mass

My empty Yakult craft has a mass of _____g.

After adding some beans, the mass is now _____g.

Can you think of another way to find its mass?

Learning about Money

SHOPPING LIST			
	Items	Cost per item	working
Example	1 bookmark 	$1	4 ÷ 4 = 1
1			
2			
3			
4			
5			
6			
Total cost of 1 goodie bag:		$	

Item(s)	Cost	Workings:
 $5		
 $1.50		
	Total Cost: $ _____	
	$ _____	
give back: in by	$ _____ (change) * Cashier to fill in the change amount	


1 packet of fries $3


3 canned drinks for $2

1 pizza $25

1 birthday cake $60


A pack of balloons 85¢


A pack of 8 poppers $3

Things I buy	Dollars	Cents

The _____ cost less than the _____.

It costs $_____ less.

Things I buy	Dollars	Cents

The _____ costs the most.

RAFFLES GIRLS' PR. SCHOOL

Assessment

- No weighted assessments/exams for Primary 2

- Use of various modes of non-weighted assessments to assess students' learning through

  - Daily work
  - Performance Task
  - Topical Review
  - Teacher's observations and feedback

Topical Review Feedback

Numbers To 1000	Novice	Developing	Proficient
• Counts in tens/ hundreds			
• Represents numbers in a place-value chart			
• Reads and writes numbers in numerals and in words			
• Compares and orders numbers within 1000			
• Completes number patterns			
• Identifies odd and even numbers			

Write number equations *(where applicable)*		**Teacher's Comments**
Show your working *(where applicable)*		
Revise concepts learnt at home		
Check your work carefully		
Write neatly		

Empowering Math Learning at Home

- Show the relevance of Math in real-life
- Play Math Games
- Provide a supportive environment
- Encourage a Growth Mindset

Thank you!