





Extend Mathematical Thinking through Mastery



Pedagogy

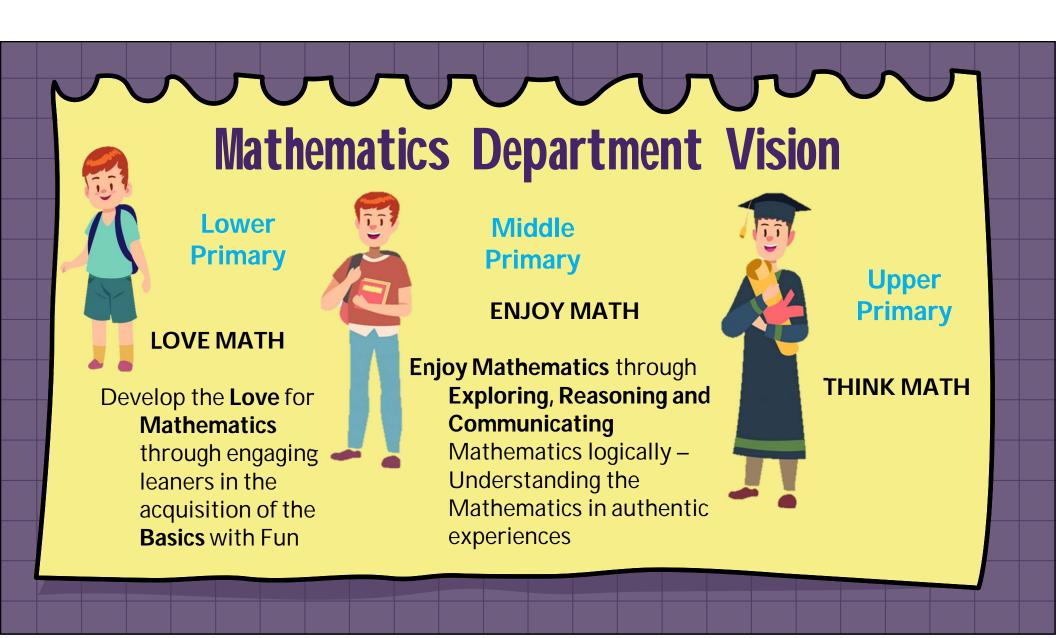
C-P-A IBL- TR

Differentiated Programmes



05 Assessment

Assessment Plan Paper Format





# Extend Mathematical Thinking with Mastery in Mathematics





## Investigative & Authentic Tasks

Complex tasks that require them to investigate, clarify, connect and apply mathematical concepts learnt effectively



#### Consolidation Reflection

Consolidate and reflect on their learning in Mathematics



## Rigor to Mastery

Provide more rigor to prepare our students towards mastery.

# Mathematics Teaching & Learning in BTPS

#### **Primary 5 Syllabus**

1. A spiral approach is adopted in the building up of content across levels.

Topics build up from Primary 4	New Concepts in Primary 5 (Std)	New Concepts in Primary 5 (Fdn)
Whole Numbers +, -, ×, ÷, Fractions Decimals Angles	Average Ratio Rate Percentage Area of Triangle Triangles Quadrilaterals	Rate

2. Introducing the use of calculators.

## **Mathematics Teaching & Learning in BTPS**



C-P-A



**IBL-TR** 



Introduce topics through **hands-on activities** that leverage on **conceptual development**.

Infuse **interactive activities** for students to experience the **joy of learning** Mathematics.

Encounter mathematics in an **authentic** way to **make meaning to learning**.

Use of mathematics journaling in Think of Mathematics (TOM) to encourage creative and critical thinking as well as reasoning and communication skills.

Thinking routines to **reflect** on their learning and **make connections** to the topics learnt to deepen their conceptual knowledge.

# Mathematics Teaching and Learning in BTPS

## **Resources for Teaching and Learning**

- Textbooks and Workbooks
- 2. TOM Journals
- 3. Heuristics Booklets (PSH & I Can Solve)
- 4. Speed and Accuracy Practices
- 5. Practice Papers
- 6. Koobits and other online resources





## **Mathematics Teaching and Learning in BTPS**

### **Programmes for Mathematics Learning**

- 1. Learning Support (Pull-out) Supporting mathematics learning.
- 2. ASC Programme Supporting mathematics learning.
- Math Olympiad Programme Developing higher-order thinking skills.
- 4. E2K Programme Developing higher-order thinking skills.
- Math Learning Day Joy of Learning and Application of Mathematics thinking.
- 6. Junior Achievement Programme Financial Literacy





# Mathematics Assessment in BTPS (Standard)

	Term 1	Term 2	Term 3	Term 4
Base Mark	30	30	30	100
Weightage	10%	15%	15%	60%
Schedule*	Week 9	Week 7	Week 6	Week 7
Topics	Chapter 1 to 2	Chapter 3 to 5	Chapter 6 to 8	P3 and 4 Topics 5A and 5B
Format	MCQ SAQ LAQ	MCQ SAQ LAQ	MCQ SAQ LAQ	MCQ SAQ LAQ
Duration	50 min	50 min	50 min	2 h 30 min

# Mathematics End of Year Exam Format (Std)

Paper	Booklet	Item Type	Number of Questions	Number of marks per question	Number of marks	Duration
1	Α	Multiple- choice	10	1	10	1 h
			5	2	10	
	В	Short- answer	5	1	5	
			10	2	20	
2		Short- answer	5	2	10	1 h 30 min
		Structured / Long-answer	12	3, 4, 5	45	
			47	-	100	2h 30 min

## **Mathematics Assessment in BTPS (Foundation)**

	Term 1	Term 2	Term 3	Term 4
Base Mark	30	30	30	100
Weightage	10%	15%	15%	60%
Schedule*	Week 9	Week 7	Week 6	Week 7
Topics	Chapter 1 to 3	Chapter 4 and 5	Chapter 6 and 8	P3 and 4 Topics 5A and 5B
Format	MCQ SAQ LAQ	MCQ SAQ LAQ	MCQ SAQ LAQ	MCQ SAQ LAQ
Duration	50 min	50 min	50 min	2 h

## Mathematics End of Year Exam Format (Fdn)

Paper	Booklet	Item Type	Number of Questions	Number of marks per question	Number of marks	Duration
1	A	Multiple- choice	10	1	10	1 h
			10	2	20	
	В	Short-answer	10	2	20	
2		Short-answer	10	2	20	1 h
		Structured / Long-answer	6	3, 4	20	
			46	-	90	2h

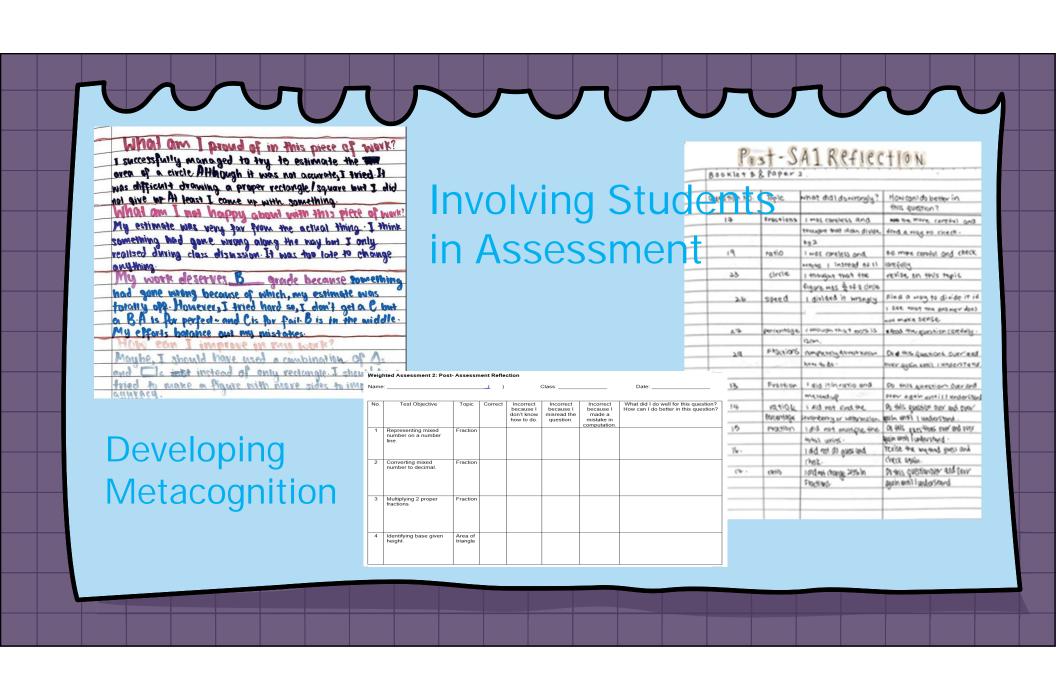


**Formative assessment** will also take place regularly to ensure students receive timely feedback on their learning.

- Worksheets and practice papers (topical reviews, speed tests and PSLE revision worksheets, Practice Papers)
- TOM Journals
- Class-based activities and ICT enriched activities

#### Feedback to parents

- Topical worksheets and Self-assessment checklist will be sent home for parent's acknowledgement after the completion of each topic.
- Files will be sent home for revision termly.







## How can you help your child?

- 1. Ensure your children revise the work that we have done in class daily.
- 2. Monitor their homework, eventually work towards them taking ownership of their own learning.
- 3. Encourage them not to be over-reliance on the use of calculators.
- 4. Encourage them to work within the stipulated time frame (for better time management during examinations, especially for Paper 1).
- 5. Encourage neat and clear presentation of work.
- 6. Encourage them to check their work.

