





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.

Chapters	Topics					
2	Fractions					
3	Ratio					
4	Percentage					
5	Angles in Geometrical Figures					
6	Circles					
9	Pie Charts					
8	Volume					
1	Algebra					
7	Speed					
10	Solid Figures and Nets					

Chapters	Topics					
1	Fractions					
2	Decimals					
3	Percentage					
5	Average					
7	Pie Charts					
8	Volume					
4	Area and Perimeter					
6	Triangles, Rectangles, Squares					

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 Thinking 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.

In preparation of PSLE,

Completion of syllabus

1. by end of July so that there is sufficient time for revision.

Additional Resources

- 1. systematic approach to tackle problem sums
- 2. challenging and wider range of questions
- 3. prepare students for PSLE

Timed Practice Papers

- 1. Familiarise students with the exam format as well as exam seating.
- 2. Advise students on better time management.

Maths Enhancement Programme

- 1. Additional classes during June and Sept holidays.
- 2. Targeted revision to strengthen weaker concepts.







Mathematics Teaching and Learning in BTPS

Resources for Teaching and Learning

- Textbooks and Workbooks
- 2. Topical Reviews
- 3. Compilation of PSLE questions by topics
- 4. PSLE booklets and Practice Papers
- 5. Speed and Accuracy Practices
- 6. Koobits and other online resources
- 7. TOM Journals





Mathematics Teaching and Learning in BTPS

Programmes for Mathematics Learning

- 1. Learning Support (Pull-out) Supporting mathematics learning.
- 2. ASC Programme Supporting mathematics learning.
- 3. 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 Start-up and Entrepreneurship





Mathematics Assessment in BTPS (Standard)

	Term 1	Term 2	Term 3	
Base Mark	45	35	100	
Weightage			100%	
Schedule*	Week 9	Week 7	Week 8	
Topics	P1 to 5 syllabus P6: Chapter 2 to 4	P1 to 5 syllabus Chapter 2 to 6 and 9	P1 to 6 syllabus	
Format	Paper 1: MCQ SAQ	Modified Paper 2: SAQ LAQ	MCQ SAQ LAQ	
Duration	1 h	50 min	2 h 30 min	

Mathematics Preliminary 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

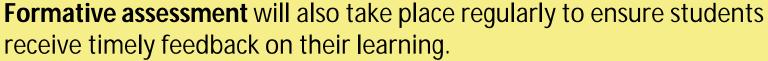
Mathematics Assessment in BTPS (Foundation)

	Term 1	Term 2	Term 3	
Base Mark	50	40	90	
Weightage			100%	
Schedule (subject to change)	Week 9	Week 7	Week 8	
Topics	P1 to 5 syllabus P6: Chapter 1 to 2	P1 to 5 syllabus Chapter 1 to 3, 5 & 7	P1 to 6 syllabus	
Format	Paper 1: MCQ SAQ	Paper 2: SAQ LAQ	MCQ SAQ LAQ	
Duration	1 h	1 h	2 h	

Mathematics Preliminary Exam Format (Foundation)

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
			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



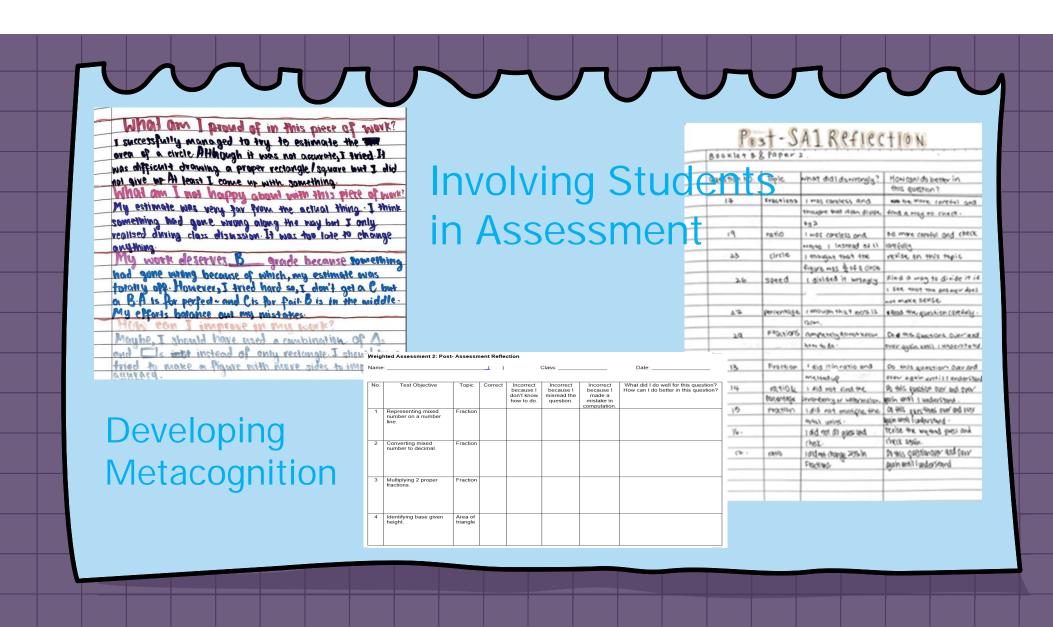


- Worksheets and practice papers (topical reviews, speed tests and PSLE revision worksheets, Practice Papers)
- TOM Journals
- Class-based activities and ICT enriched activities

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.





Partnership with Parents



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. Deploy targeted revision on weaker topics. It is more effective than doing sets of practice papers.
- 6. Encourage neat and clear presentation of solutions.
- 7. Encourage them to check their work.

