





Primary 6

Bukit Timah Primary School

 Mathematics MTPS
(Cohort Briefing) 2022 

28 January 2022



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Mathematics Teaching & Learning in BTPS

01

**BTPS
Approach**

Extend Mathematical
Thinking through Mastery

02

Pedagogy

C-P-A
IBL- TR

03

Programmes

04

**Teaching
Resources**

05

Assessment

Assessment Plan
Paper Format

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Extend Mathematical Thinking with Mastery in Mathematics



Consolidation Reflection

Consolidate and
reflect on their
learning in
Mathematics



Investigative & Authentic Tasks

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



Rigor to Mastery

Provide more rigor to
prepare our students
towards mastery.

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Mathematics Teaching & Learning in BTPS



C-P-A

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**.



IBL-TR

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.



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What is new in Primary 6 syllabus?

Topics build up from Primary 5

New topics in Primary 6

Fractions

Ratio

Percentage

Geometry

Volume

Algebra

Circles

Speed

Pie Charts

Solid Figures and Nets



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.
5. Math Learning Day – Application of Mathematics thinking.
6. Junior Achievement Programme – Startup and Entrepreneurship



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Resources for Teaching and Learning

1. Textbooks and Workbooks
2. TOM Journals
3. ICS Booklets: Problem Solving Strategies
4. Heuristics Booklet: Make a List, Working backwards, Make a supposition etc. 
5. Topical Reviews, PSLE booklets and Practice Papers
6. Speed and Accuracy Practices
7. Koobits and other online resources 

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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

Maths Enhancement Programme

1. Support classes during June and Sept holidays
2. programmed for targeted revision to strengthen weaker concepts.



Mathematics Assessment @ P6



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

- Worksheets and practice papers (topical, speed and accuracy and heuristics)
- TOM Journals
- Class-based activities and ICT enriched activities

Feedback to parents

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

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Mathematics Assessment in BTPS (Standard)

	Term 1	Term 2	Term 3
Base Mark	100	100	100
Weightage			100%
Schedule*	Week 9 (3 Mar 2022)	Week 8 (10 May 2022)	Week 8 (19 Aug 2022)
Topics	P1 to 5 syllabus P6: Chapter 1 to 3	P1 to 5 syllabus Chapter 1 to 7	P1 to 6 syllabus
Format	MCQ SAQ LAQ	MCQ SAQ LAQ	MCQ SAQ LAQ
Duration	2 h 30min	2 h 30 min	2 h 30 min

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Mathematics Assessment in BTPS (Standard)

CA1, SA1 & Prelim

Paper 1 (1h)
Paper 2 (1h 30 min)

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
			5	2	10	
	B	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

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Mathematics Assessment in BTPS (Foundation)

	Term 1	Term 2	Term 3
Base Mark	100	100	100
Weightage			100%
Schedule*	Week 9 (3 Mar 2022)	Week 8 (10 May 2022)	Week 8 (19 Aug 2022)
Topics	P1 to 5 syllabus P6: Chapter 1 to 2	P1 to 5 syllabus Chapter 1 to 5	P1 to 6 syllabus
Format	MCQ SAQ LAQ	MCQ SAQ LAQ	MCQ SAQ LAQ
Duration	2 h	2 h	2 h

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Mathematics Assessment in BTPS (Foundation)

CA1, SA1 & Prelim

Paper 1 (1h)

Paper 2 (1h)

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	
	B	Short-answer	10	2	20	
2		Short-answer	10	2	20	1 h
		Structured / Long-answer	6	3, 4	20	
			46	-	90	2h

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Partnership with Parents



How can you help your child?

1. Ensure your children revise the work that we have done in class everyday.
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 them to check their work.

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Thank
you!

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