

Mathematics Teaching and Learning in BTPS




Primary 3 Level







BUKIT TIMAH PRIMARY SCHOOL
STRIVE FOR THE BEST



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Enjoy Mathematics through Exploring, Reasoning and Communicating Mathematics logically

- Moving on from introducing Mathematics concepts through fun (P1 and 2), P3 pupils will be engaged in building and communicating mathematical thinking skills.
 - More opportunities to explore real-life and novel maths problems.
 - Balanced with teaching of standard curriculum topics and challenging tasks for students to apply higher order thinking skills.
 - Engage in sustained discussions to analyse mathematical situations, reason and communicate logically, leading to deeper mathematical understanding.
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Mathematics Teaching & Learning in BTPS

C-P-A Approach

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- Continue to 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.



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- Use of mathematics journaling in Thinking of Mathematics (TOM) to encourage creative and critical thinking as well as reasoning and communication skills.
 - Thinking routines like “Claim Support Challenge” and “Think Puzzle Explore” will be introduced at Primary 3.





Mathematics Teaching & Learning in BTPS

Programmes for Mathematics Learning

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- Primary 3 Learning Support programme (pull-out) – For selected students only.
 - Primary 3 Learning Day – Connecting Maths learning to the real world
 - Primary 3: Financial Literacy – Difference between needs and wants, Concept of earning, saving, spending and donating

Resources


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- Textbooks and Workbooks
 - Heuristics Booklet: Guess and Check, Make a List, Working backwards etc.
 - Practice Papers
 - Koobits and other online resources
 - TOM Journal






Primary 3 Syllabus



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



Build up from Primary 2	New topics in Primary 3
Whole Numbers	Bar Graphs
$+$, $-$, \times , \div	Angles
Length, Mass and Volume	Perpendicular and Parallel lines
Money	Area and Perimeter
Fractions	
Time	





Mathematics Assessment in BTPS

No Semestral Assessment 1.

Instead, there will be **termly weighted topical reviews** to monitor your child's progress and to ensure that learning is taking place.

Refer to table in the next slide.

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

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- Worksheets (topical and heuristics)
 - Class-based activities and ICT-enriched activities
 - TOM Journals

Mathematics Assessment in BTPS

	Term 1	Term 2	Term 3	Term 4
Base Mark	30	30	30	80
Weightage	10%	15%	15%	60%
Schedule*	Week 9	Week 8	Week 10	Week 7 27 Oct 2022
Topics	Chapter 1 to 4	Chapter 5 to 8	Chapter 9 to 12	3A and 3B book
Format	MCQ SAQ LAQ	MCQ SAQ LAQ	MCQ SAQ LAQ	MCQ SAQ LAQ
Duration	50 min	50 min	50 min	1 h 45 min

* Subject to change.

Mathematics Assessment in BTPS

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 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.

P3 Math Self-Assessment Checklist
Chapter 2 – Addition within 10 000

Name: _____ Class: 3 (____) Parent's Signature: _____

Choose the level that best describes your level of understanding of the Math concepts.

Levels	Descriptors
1	I am beginning to understand this Math concept but I still need help.
2	I have some understanding of this Math concept and need to make some improvement.
3	I have understood this Math concept very well and can apply it (in everyday life).

	Learning Outcomes	1	2	3
1.	Simple Addition within 10 000 Add up to 4-digit numbers without regrouping			
2.	Addition with Regrouping Add up to 4-digit numbers with regrouping in ones, tens and hundreds			
3.	Mental Addition Add 2-digit numbers mentally			

Partnership with Parents

How can you help your child?



- Revise the work that we have done in class with your child.
- Monitor their homework, eventually work towards them taking ownership of their own learning.
- Help them to familiarize themselves with the multiplication tables. This will help them in topics like fraction and bar graphs too.
- Encourage them to draw models to solve word problems.
- Encourage them to work within the stipulated time frame (for better time management during examinations.)
- Encourage them to check their work.

Thank
you

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