Primary 3 Mathematics Sharing

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A PRESENTATION BY
BUKIT TIMAH PRIMARY SCHOOL



Enjoy Mathematics through Exploring, Reasoning and Communicating Mathematics logically

- More opportunities to explore real-life and novel maths problems
- Deepening the students' conceptual knowledge and applying them in daily lives
- Presenting students with both standard curriculum topic and challenging real-world math problems to encourage higher-order thinking skills

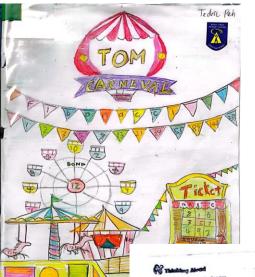
Enjoy Math through Exploration





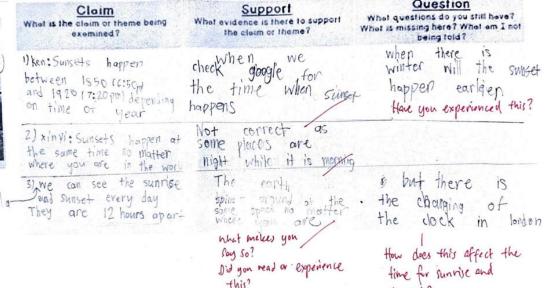
More opportunities to explore reallife and novel math problems



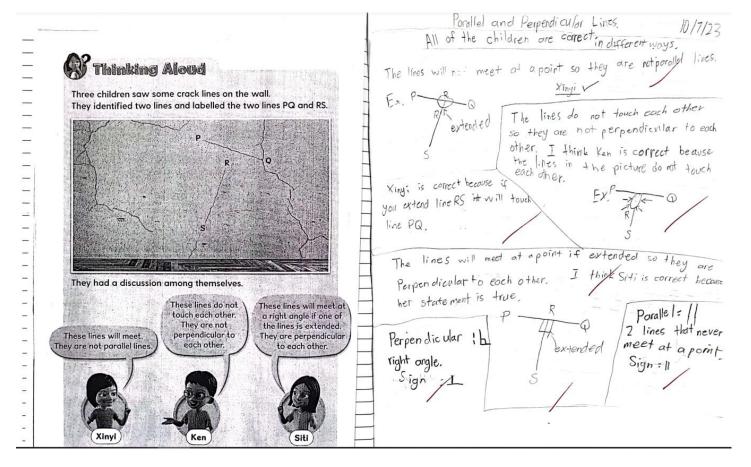


Key Learning Experiences: IBL-TR

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



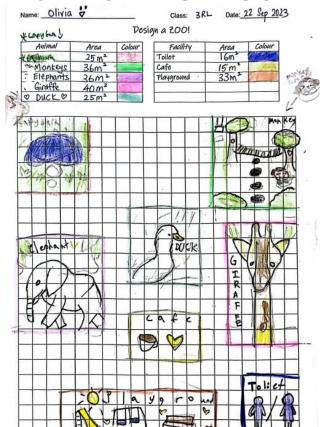
Key Learning Experiences: IBL-TR





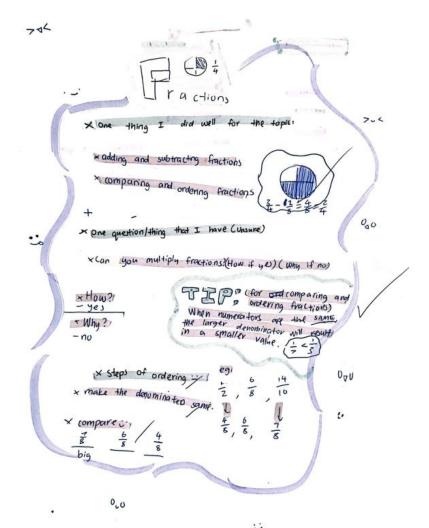
TOM Journal:

Authentic Learning Experiences



Insent	P3 Fractions (1) Class: 3G Date: 10 July 2023	
Name: Joseph	Class: 3G Date: 10 3 649 2025	
Johnny has a bar of chocolal	ite. Kate asks if he can share the bar of chocolate with her.	
Johnny agrees and breaks th	he chocolate bar into half and gave her one half.	
Draw and colour the fraction	of the chocolate bar that Kate receives.	
	Chocolate bar	
Most forting of the standard		
What fraction of the chocolat	te bar does Kate receive?	
However Johnny takes back	k the one half of the chocolate bar from Kate.	
	2 fourths of the chocolate bar instead.	
	the 2 pieces of chocolate into 4 pieces.	
Draw and colour the new fra	action of the chocolate bar that Kate receives.	
The let		
	1 -1-1-0-00	
	Chocolate bar	
What fraction of the chocolat	te bar does Kate receive now?	
	V. /	
Did Kate still receive the sam	ne amount of chocolate? (CS	
What can you say about the		
They both have the	he same value	





TOM Journal: Reflection

- Understand what "good" work looks like.
- Self-assess using a set of criteria and act on teachers' feedback.
- Post Activity Reflection

Mathematics Teaching and Learning @ P3

Resources for Mathematics Teaching and Learning

- Textbooks and Practice books
- ICS Booklets: Problem Solving Strategies
- Heuristics Booklet: Make a List, Working backwards, Make a supposition etc.
- Koobits and other online resources
- Mental Sums
- TOM Journals



Mathematics Teaching and Learning @ P3

Programmes for Mathematics Learning

- 1. LSM Supporting mathematics learning.
- STEM Programme Application of Maths concepts,
 Computational Thinking and Spatial Visualisation.



Mathematics Topics @ P3

Topics build up from P2	New Topics in P3
Whole Numbers	Bar Graph
+, -, X , ÷	Angles
Fractions	Perpendicular and Parallel Lines
Time	Area and Perimeter
Money	
Length, Mass, Volume	



Mathematics Assessment @ P3

	Term 1	Term 2	Term 3	Term 4
Base Mark	30	30	30	50
Weightage	10%	15%	15%	60%
Schedule	23 Feb 2024	2 May 2024 to 16 May 2024	7 Aug 2024 to 21 Aug 2024	24 Oct 2024
Format	MCQ, SAQ, LAQ	MCQ, SAQ, LAQ	MCQ, SAQ, LAQ	MCQ, SAQ, LAQ
Duration	50 min	50 min	50 min	1h 30 min

Feedback to Parents

Topical worksheets will be sent home together with self-assessment checklist for parent's acknowledgement after the completion of each topic.

Math files will be sent home for revision termly.

Na	me: _	Class: 3 () Parent's Signatu	re:					
Ch	oose	the level that best describes your level of understanding of the Math	concep	ts.				
Levels		Descriptors						
	1	I am beginning to understand this Math concept but I still nee						
	2	I have some understanding of this Math concept and need to ma	ke some	improv	ement.			
	3 I have understood this Math concept very well and can apply it (n every	day life).				
		Learning Outcomes	1	2	3			
1.	1. Counting to 10 000							
	Cour	nt by 1s, 10s, 100s and 1000s, to 10 000						
2.	Place Values							
	Knov	v the value of the digits in each place value of a 4-digit number						
3 Con		paring and Ordering Numbers						
	Able	to use place value to compare and order numbers						
4	Num	mber Patterns						
4.		to complete a number pattern						



Partnership with Parents

- Revisit the work that we have done in class with your child.
- Monitor their work, eventually work towards them taking ownership of their own learning.
- Encourage them to
 - ☐ Draw models to solve word problems.
 - Work within the stipulated time frame (for better time management during examinations).
 - ☐ Play games that strengthen their spatial visualisation skills, such as tangrams, pentominos and etc.
 - □ Cultivate a habit of checking their work after completion
- Help them relate Mathematics to real life examples.



Thank You



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