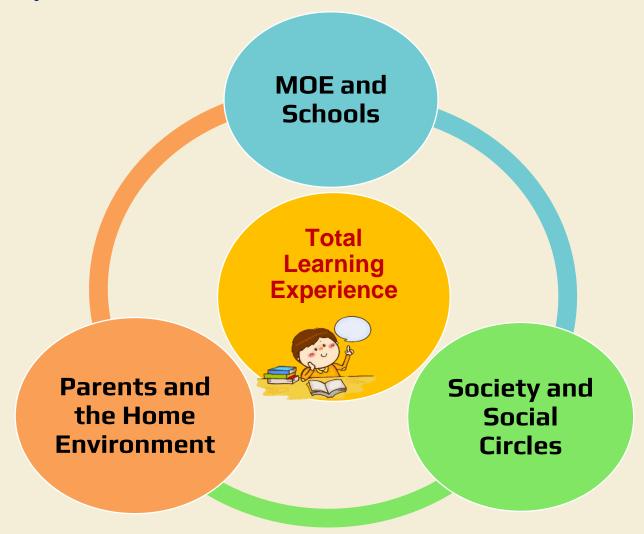


It takes a village to raise a child. MOE and schools partner parents to shape our children's learning experience.



Our children value our support and may feel a need to rise up to our expectations.

"Assessments are very small. There is not very much to be stressed about but the main reason why people get stressed is because parents have very high expectations. If you don't reach the expectations, you will get scolded or made to feel not very good about yourself even though it is for that one singular exam."

- Pri sch student

"I think it is a fact that parents compare. For me, I have older siblings, so my parents say 'Oh I expect you to do better than them.' But they have done very well so it just stresses me out... the **comparison stresses me** out."

- Sec sch student

* These quotations are taken from responses to a survey on student well-being conducted in February 2024.

Every child is unique and requires different forms of support and motivation.

"I would like my parents to provide me with moral support. For example, encouraging me to do my best." - Shaun Sanjay

"I wish that my parents would nag less, and give me more alone time so that I can spend time with my friends too." - Zafran

"I would like my parents to support me by revising with me the work that I've done."
- Shane Sanjiv



^{*} These quotations are taken from primary school students featured in an Instagram post on parentingwith.moesg

We want to motivate our children to learn, not for the sake of examinations and marks, but to seek self-improvement. This prepares them better to be lifelong learners and face the challenges of the future.

"We are not interested in getting our students to know how to solve yesterday's problems with yesterday's solutions; what we want is that our students are able to face tomorrow's challenges with tomorrow's solutions."

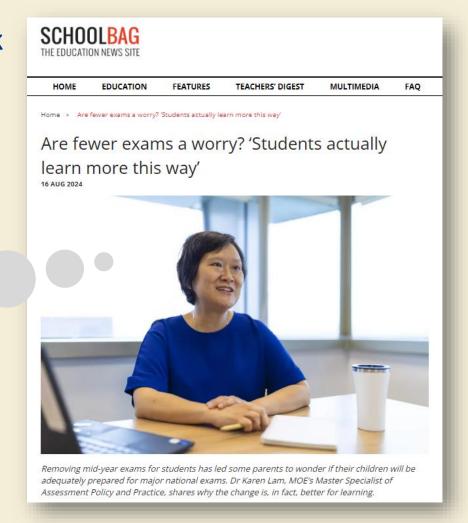


<u>Preserving joy of learning key to ensure students</u> <u>prepared to face future challenges: Chan Chun Sing -</u> YouTube



We can encourage our children to reflect on feedback from both School-Based Assessment (SBA*) and classroom assignments to identify strengths and act on areas for growth.

"Teachers have tweaked the way they assess students' works, with more in-depth comments that encourage students to **reflect and act on their learning process**. The focus is on teaching and learning, and helping students to **develop core competencies**. We want to move away from teaching solely for the test."



https://www.schoolbag.edu.sg/story/are-fewer-exams-a-worry-students-actually-learn-more-this-way/

^{*} SBA refers to Weighted Assessments, End-of-Year Examination and Preliminary Examination

We can also reinforce teachers' efforts to help our children take assessments as opportunities for learning and affirm their progress.

"To her, tests are just 'a bunch of questions that the teacher gives'... Perhaps it is for this reason that she views Math word problems and multiplication as "fun things to do", rather than a source of dread and stress.

Now, isn't that the **true spirit of learning**?"

"For her Primary 1 parent-teacher session... the teacher provided updates on her general learning attitude and progress observed in class, which allowed me to understand my child in a way that would not be possible if her learning had been condensed to a single grade."



HOME EDUCATION FEATURES TEACHERS' DIGEST MULTIMEDIA FAQ

Home > No exams, no worry?

No exams, no worry?



This wasn't something that mum-of-two Eveline Gan bought into initially when exams for P1 and 2 were scrapped. But 2020 changed her mind. She shares why.

https://www.schoolbag.edu.sg/story/no-exams-no-worry/

While some children may find assessment stressful, let us help them understand that there is "good stress" that can be harnessed.

"Good stress energises you to perform at your best, and gets you excited to face challenges and motivated to finish tasks. Good stress gives us the added 'push' or drive to hit our life goals."

"1.Use the adrenaline rush from exam stress to build your performance

- 2. Tame your fear of failing
- 3. Redefine "failure" and "success"
- 4. Turn your worries into problem-solving skills
- 5. Use the stress of challenging circumstances to learn and grow
 - 6. Be inspired and keep a positive outlook"



https://www.healthhub.sg/livehealthy/stress can be good for yo

u

HOME > LIVE HEALTHY

6 Mental Wellness Tips to Make Exam Stress Work for You

We show you how to deal with anxiety and use stress to your advantage!

https://www.healthhub.sg/live-healthy/6 ways to make exam stress work for you

Developing positive responses to stress can help our children not just in assessments but also in their daily lives.

"Stress is a **part of life**; just like doubt and uncertainty go hand in hand with trying new and challenging things. Try as we might, stress is something that cannot be avoided. But **the way we react** to stressful situations and challenging circumstances CAN and SHOULD be tamed!"



https://www.healthhub.sg/live-healthy/https://www.healthhub.sg/live-healthy/https://www.healthhub.sg/live-healthy/https://www.healthhub.sg/live-healthy/https://www.healthhub.sg/live-healthy/https://www.healthhub.sg/live-healthy/https://www.healthhub.sg/live-healthy/https://www.healthhub.sg/live-healthy/https://www.healthhub.sg/live-healthy/https://www.healthy/https://www.healthy/<la>https://www.healthy/<la>https://

Ms Yeo Sha-En, Positive Psychologist and mother of 2, on supporting our children during MOE's 'Ask Me Anything About' (AMAA). AMAAs are live interactive sessions on MOE Facebook where panelists weigh in with their thoughts and advice.



Ask Me Anything About

Sha-En on Managing Expectations

"But we want them to know that whatever they are going through, that they [will] have struggles and challenges. Yes, it's part of life, but we will be here for them."

https://www.instagram.com/p/CGb6DEkHBSv/?utm
source=ig web copy link&igsh=MzRlODBiNWFlZA=

By encouraging our children to do their best and focusing on their holistic development, we help them develop the skills to succeed in life.



"As parents, we tend to focus on what we can do to help our child in the "now" (e.g. bringing our children's homework to school so they don't get into trouble) instead of what qualities our child needs to thrive in the long run (e.g. being responsible for tasks assigned to them)."

Ms Nicole Liaw, Parent



https://moe.gov.sg//media/files/parent-kit/school-homepartnership.pdf

"Sometimes my parents also help me and encourage me. It's just an exam, a step you have to take... something you have to complete. And just because you do badly doesn't mean you won't go to a school. In the end, you will surely go to a secondary school. This makes me feel less stressed so it helps." - Pri sch student



"My parents have been very supportive and encouraging. During [the exam] period, I was very scared that I was not going to get promoted... they gave me lots of encouragement. Every time I study late outside, they will always prepare food for me. And that has helped me manage my stress in JC." - JC student

* These quotations are taken from responses to a survey on student well-being conducted in February 2024.

Additional Resources

Resource	Accessible at
Schoolbag	http://schoolbag.edu.sg
Parents Kit	https://www.moe.gov.sg/parentkit
Instagram – Parenting with MOE	https://www.instagram.com/parentingwith.moesg/
HealthHub – Parent Hub	https://www.healthhub.sg/programmes/parent-hub
SingTeach Assessment beyond tests and examinations	https://singteach.nie.edu.sg/2019/04/25/issue68-bigidea/
CNA (Channel News Asia) Why I'm easing up on pushing my kids to excel in their studies	https://www.channelnewsasia.com/today/voices/how-hard-push-child-excel-studies-4687176?cid=internal_sharetool_ipad_20102024_cna
The Straits Times Taking leave to help your child study for year-end exams? Support them in these ways instead	https://www.straitstimes.com/singapore/parenting- education/taking-leave-to-help-your-child-study-for-year-end- exams-support-them-in-these-ways-instead
The Straits Times There is more to exams than just the end results	https://www.straitstimes.com/opinion/there-is-more-to-exams-than-just-the-end-result

Thank you



Curriculum Briefing P3 Mathematics

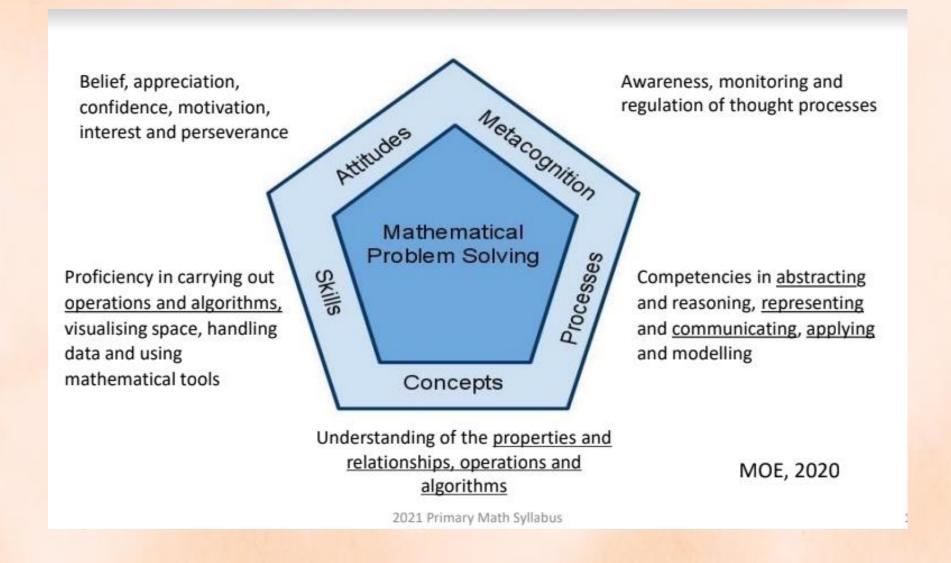


Outline

- Math Curriculum
- Teaching and Learning
- Assessment
- Tips for Parents

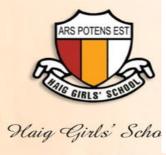


Mathematics Curriculum Framework





Primary 1	Primary 2 & 3	Primary 4	Primary 5	Primary 6
Whole Numbers	Whole Numbers	Whole Numbers	Whole Numbers	Whole Numbers
Measure ment	Measure ment	Measure ment	Measure ment	Measure ment
Geometry	Geometry	Geometry	Geometry	Geometry
Data Analysis	Data Analysis	Data Analysis	Data Analysis	Data Analysis
	Fractions	Fractions	Fractions	Fractions
		Decimals	Decimals	Decimals
	'niral Annraach in N	lath Curriculum	Percentage	Percentage
	Spiral Approach in MacConcepts taught are		Ratio	Ratio





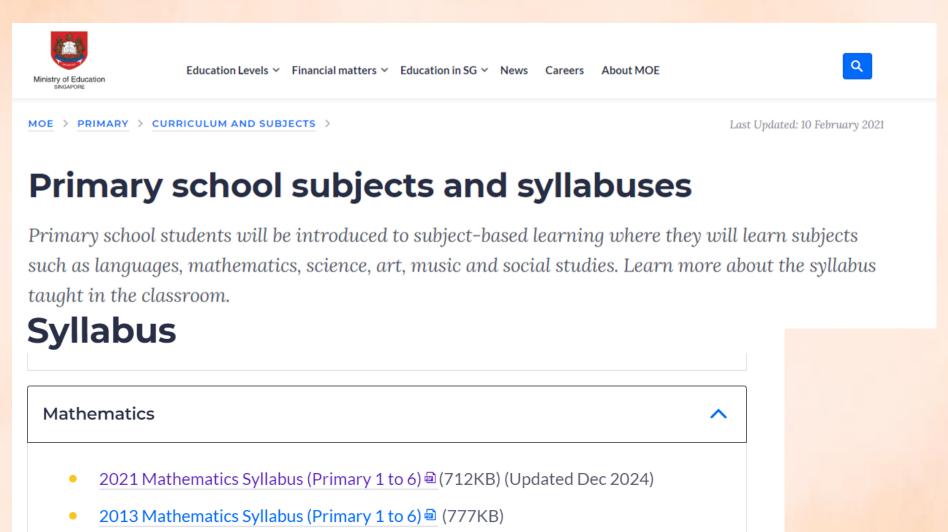
taught in previous years.

Speed

Topics	P 2	P 3
Whole Numbers	Numbers up to 1000 Addition & Subtraction Multiplication & Division	Numbers up to 10 000 Addition & Subtraction Multiplication & Division
Money	Comparing Converting	Addition & Subtraction
Measurement	Length Mass Time Volume	Length Mass Volume Time
Geometry	2-D Shapes 3-D Shapes	Angles Perpendicular and Parallel lines Area and Perimeter (square and rectangle)
Data Representation and Interpretation	Picture Graphs (with scales)	Bar Graphs (with scales)
Fractions	Fractions of a Whole Addition & Subtraction	Equivalent Fractions Addition & Subtraction



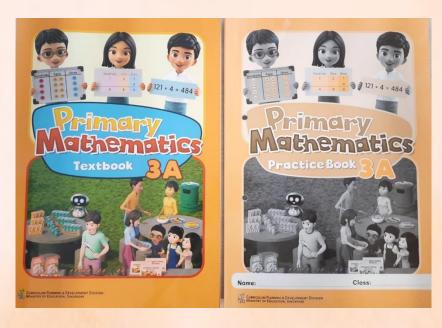
https://www.moe.gov.sg/primary/curriculum/syll abus





Resources

- Pri. Mathematics Textbook 3A and 3B
- Pri. Mathematics Practice Book 3A and 3B
- Topical Worksheets
- P3 Heuristics Worksheets
- Math File (Red)





Heuristics

A heuristics is a method or strategy used to solve a Math problem.

In Haig Girls, the teaching of heuristics will be covered at the appropriate levels in increasing depth and to enable pupils to consolidate the concepts and skills learnt.



Whole School Heuristics Approach

			<u> </u>				
No.	Heuristics		P2	Р3	P4	P5	P6
1	Model Drawing: Part and Whole	٧	٧	٧	V		
2	Model Drawing: Comparison	٧	٧	٧	V		
3	Model Drawing: Multiplication and Division		٧	V			
4	4 Model Drawing: Before and After			V	٧	٧	٧
5	Systematic Listing		٧	٧	V	٧	V
6	Find a Pattern	٧	٧	٧	V	٧	V
7	Draw a Diagram	V					V
8	Restate The Problem					V	
9	Guess and Check			٧	٧	٧	٧
10	Working Backwards			٧		٧	٧

11 Make an Assumption

Teaching and Learning

Factual fluency: Treasure hunting involving four operations, memory game and etc

Manipulatives: Geoboard, Interlocking cubes, Coloured sticks, beakers and many more

Experiential learning:
Shopping Bazaar



Factual fluency





Four operations Easter egg hunting





Memory and card games



Manipulatives



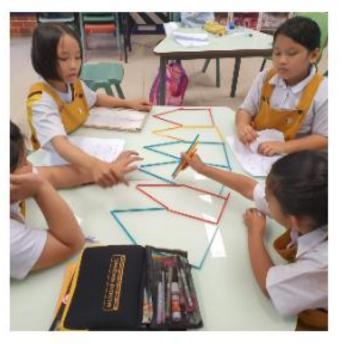


Using shapes and link cubes to help students form the next pattern



Manipulatives





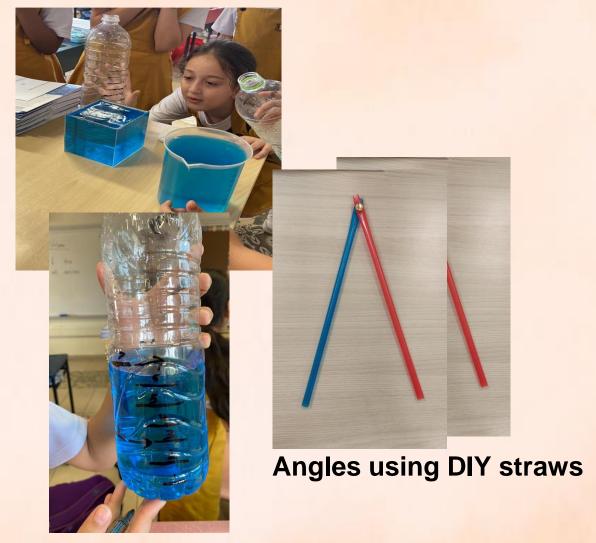
Using coloured sticks to help students recognise and extend patterns



Manipulatives



Area & Perimeter using Geoboard



Volume using different beakers



Experiential learning: Shopping Bazaar

 To allow students to reinforce their learning by making connections with real world scenario such as shopping and budgeting.







Teaching and Learning Leveraging on Technology – SLS and Koobits







Assessment Overview

	Term 2	Term 3	Term 4
	Weighted	Weighted	End of Year
	Assessment 1	Assessment 2	Examinatio
			n
Total Marks	30	30	50
Duration	50 min	50 min	1 h 30 min
Weightage	15%	15%	70%

Format for P3 Weighted Assessments

	Term 2 Weighted Assessment	Term 3 Weighted Assessment	Term 4 End-of-Year Exam
Duration	50 min	50 min	1h 30 min
Weightage	15%	15%	70%
Total Marks	30	30	50
Format: (No. of Questions)			
- MCQ	5	5	10
- Short- Answer Questions	10	10	15
- Long –Answer Questions (Word Problem)	5	5	5



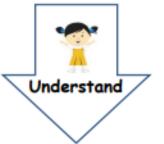
Format for P3 End-of-Year Examination

Level	Total Marks	Total Number of			Q	Duration	
		questions	Number of questions	Marks per question	Number of questions	Marks per question	
Р3	50	30	25	1 – 2	5	3 – 4	1h 30 min



Polya's 4-step Approach to Problem Solving

Mathematical Problem Solving Process







Circle) the numbers



Underline the keywords





Box the question

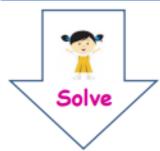


Explain and Annotate

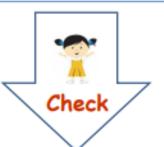


Choose a Strategy/Heuristics

- · Model Method
- Find a Pattern
- Make a List
- Working Backwards
- Guess and Check



- · Write number equations clearly
- · Add, subtract, multiply, divide
- · Use mathematical tools such as calculator, ruler, protractor and set-squares
- Apply formula



- Have I answered the question?
- . 5: Standard Units of Measurement
- T : Transfer Error
- A: Accuracy
- R: Reasonableness
- · Is there another way I can solve and check my answer?

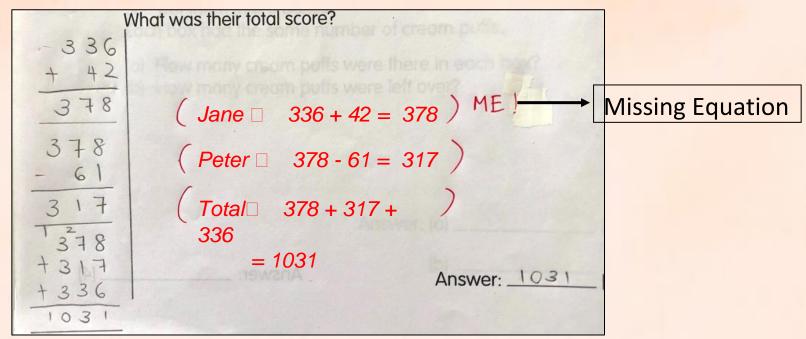


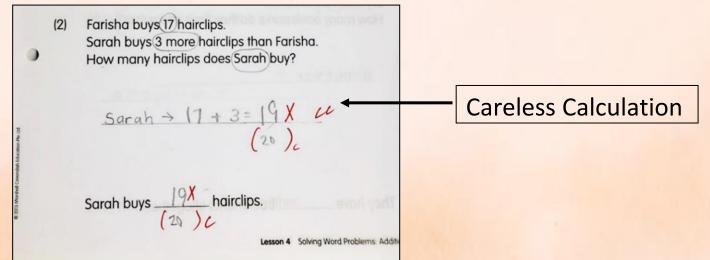
Common codes used during marking of Math questions/word problems

Codes	Representations
VA/RA	
WM	Wrong method to arrive at the same answer
CC	Careless calculation (method is correct)
MU	Missing Units
ME	Missing Equation



Some examples of how marking codes are used







Neat and Clear Presentation of Mathematical Solutions

- 1. All mathematical equations to be written.
- 2. Models are to be labelled properly.
- 3. Workings to be shown and aligned on the right hand side of each page.

Kat bought 1345 balloons. Dinah bought 2895 more balloons than Kat. How many balloons did Dinah buy? 1345 2895 1345 + 2895 Kat Check! 4240 Dinah Dinah's Balloons 1345 + 2895 = 4240

Ans: 4240



How Parents Can Help

- Please ensure school work is completed first.
- Work and communicate closely with your child's Math Teacher.

- Follow up on homework daily
 - ask questions that guide without telling them the answer.

Prompt Further Thinking



- How do you know that ...?
- · What does this tell us about ...?
- · How can we explain ...?
- What did you see / know ?
- What did you see/ know that makes you say so?



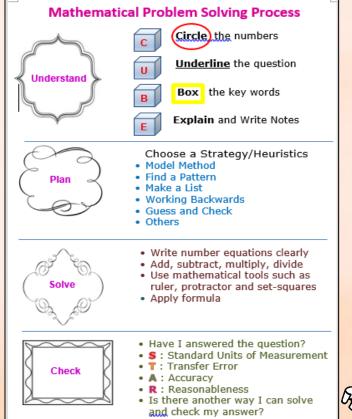
Probe Understanding

- Is it possible that ...? Give examples
- What would happen if ...?
- Why ...?
- Why not ...?



How Parents Can Help

- Train your child to show proper and detailed working steps.
- Encourage your child to share her solutions with you.
- Go through the steps in problem solving.
- Encourage her to persevere.





How Parents Can Help

• Ensure your child knows the multiplication tables well especially 6, 7, 8 and 9.

Relate Math concepts to daily life examples. E.g mass of a packet of rice, cutting the pizza into equal parts is about fractions, 3D objects around us

Provide a positive environment – encourage and praise your child's effort.



Thank you:)

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