



Primary 5

Mathematics

Curriculum Information

2024



Curriculum



Love to Learn Maths
Learn to Love Maths



The **Primary Mathematics Syllabus** aims to enable all students to:

- acquire mathematical concepts and skills for everyday use and continuous learning in mathematics
- develop thinking, reasoning, communication, application and metacognitive skills through a mathematical approach to problem-solving; and
- build confidence and foster interest in mathematics.

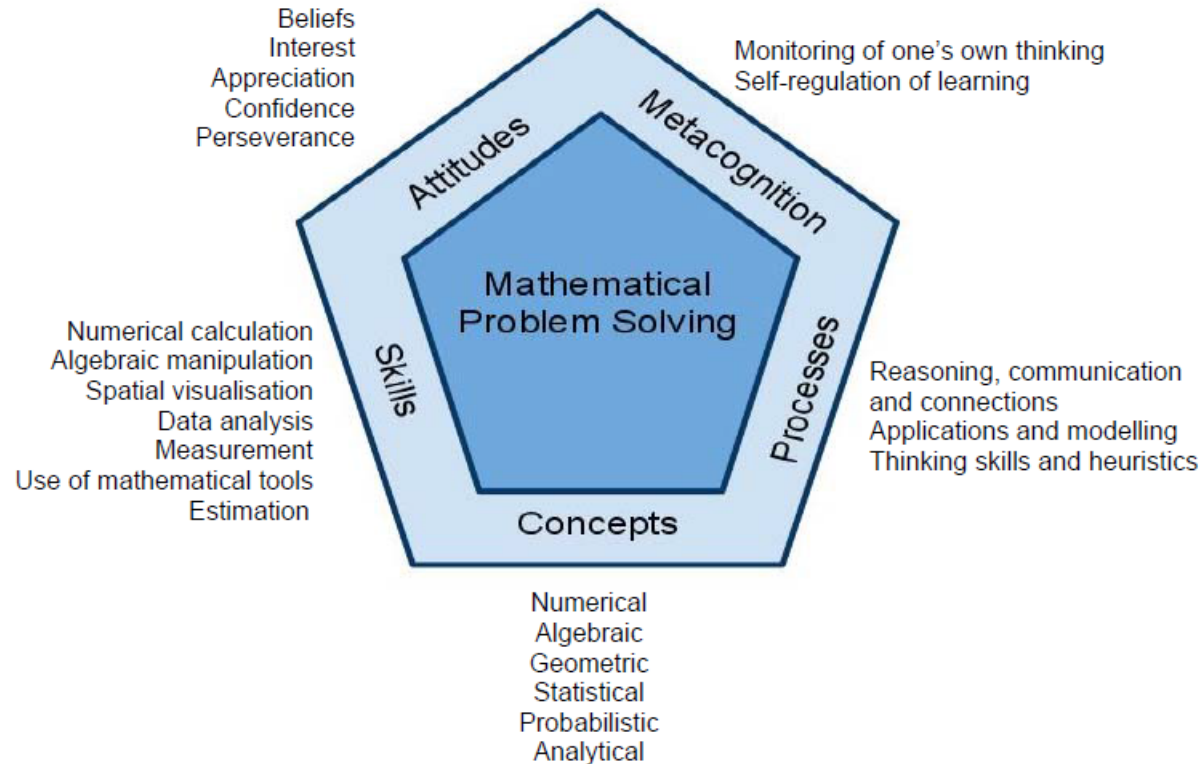


Love to Learn Maths
Learn to Love Maths



Mathematics Syllabus

<https://www.moe.gov.sg/primary/curriculum/syllabus>



Specific topics to be covered are in the
Primary 5 Shaping Mathematics Textbooks.





Pedagogy



Love to Learn Maths
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TAO
Established in 1904

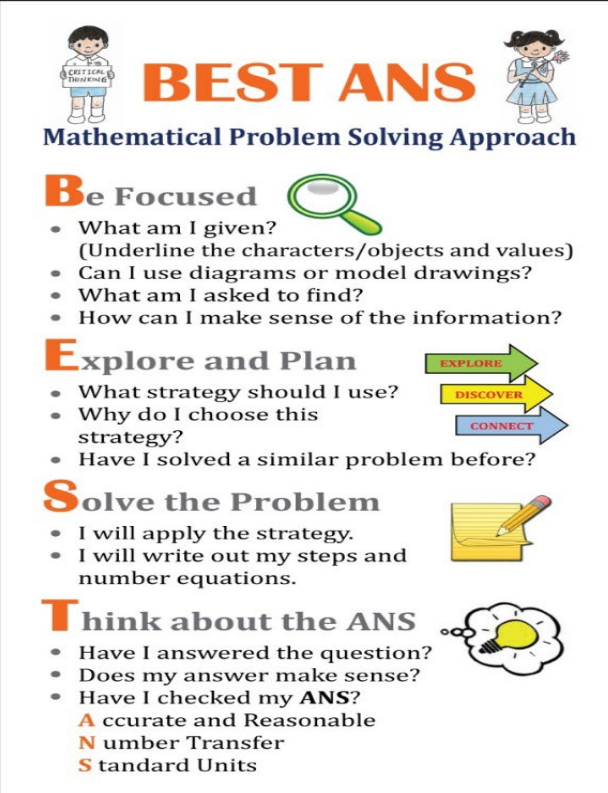


Learner-centred pedagogy


Teachers will use appropriate pedagogical approaches:

- Concrete-Pictorial-Abstract approach (C-P-A)
- Hands-on Learning experiences
- Co-operative learning, opportunities for collaborative work
- Differentiated Instruction (DI - Content, Process, Product)
- E-learning, SLS Lessons , etc


- Informal Formative Assessment (FA) strategies to monitor and deepen students' learning
- Guide students in using BEST^{ANS} problem solving strategy
- Provide Critical Thinking exercises to equip students with problem solving heuristics




BEST ANS
Mathematical Problem Solving Approach

Be Focused 


- What am I given?
(Underline the characters/objects and values)
- Can I use diagrams or model drawings?
- What am I asked to find?
- How can I make sense of the information?

Explore and Plan 

- What strategy should I use?
- Why do I choose this strategy?
- Have I solved a similar problem before?

Solve the Problem 

- I will apply the strategy.
- I will write out my steps and number equations.

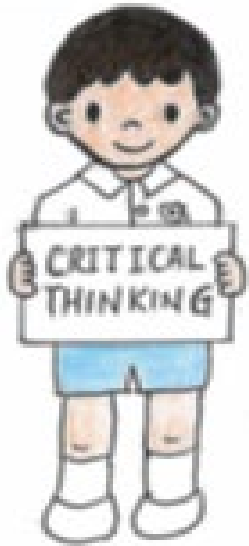
Think about the ANS 

- Have I answered the question?
- Does my answer make sense?
- Have I checked my ANS?

Accurate and Reasonable
Number Transfer
Standard Units



Assessment



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P5 Mathematics Assessment [Formative & Summative]

NO Mid-Year Examination

1 Weighted Assessment [WA] / 1 Performance Task [PT]
End-of Year Examination

- ✓ Formative Assessment (FA) strategies [non-weighted] monitor students' progress at different phases of learning during lessons
- ✓ Triangulate students' learning from multiple sources of assessment information such as through observation in class, written work, classroom discussion, e-learning, etc.

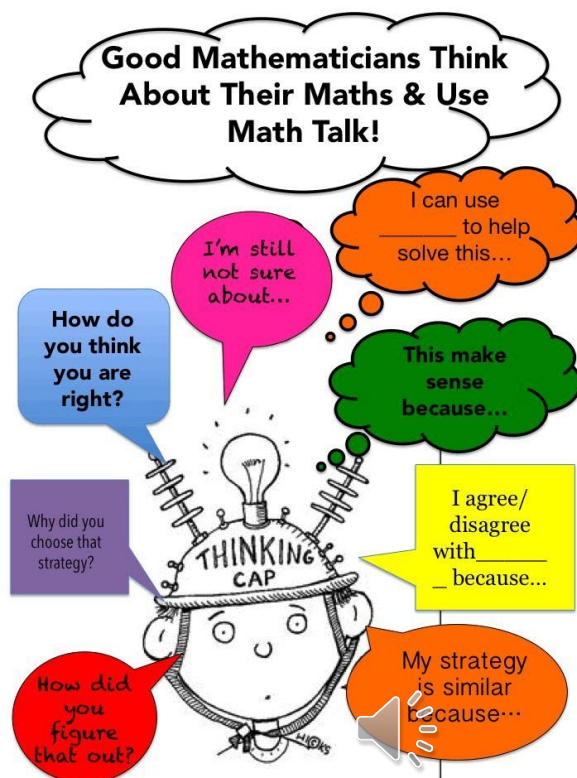


Formative Assessment [FA] to gauge learning

Maths Talk / Class Discussion

Learning experiences

Collaborative Work



P5 Standard Mathematics End-of-Year Examination Format

	Remarks
Paper 1 Booklet A MCQ	No calculators
Booklet B Short-answer Q	
Paper 2 Short-answer Q	The use of calculators is allowed.
Structured/ Long-answer Q	

Use of Calculators

*Only calculators that are approved by the **Singapore Examinations & Assessment Board (SEAB)** will be allowed in the examination.*

The calculator must be:

- silent, with a visual display only.
- indicated clearly with the model number and brand for verification purposes.
- in working condition (including the power supply).

Your child **cannot share** calculators with other students during the examination.

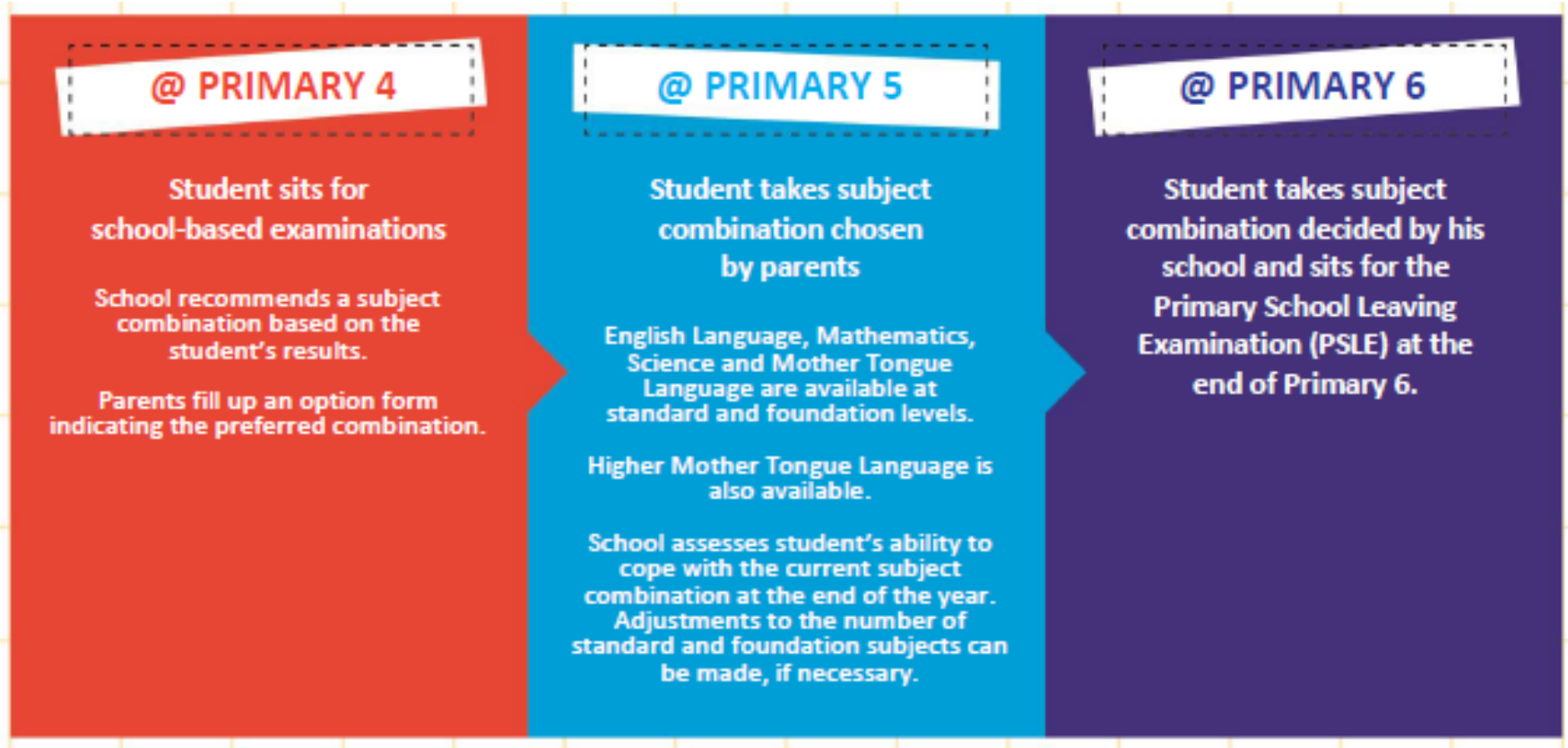
Our students are using the following models:

CASIO fx 97SG X

CASIO fx 96SG PLUS



Note: Foundation Mathematics at P6/2025



Some students may need to offer **Foundation Mathematics** in P6. This enables them to focus on building up strong fundamentals in the subject and better prepares them for progression to secondary school.



P5 Mathematics School-based Assessment

Components	Weighting	Timeframe
Formative Assessment: Journal Hands-on Activities Review Exercises	Non-Weighted	Whole Year
Summative Assessment: 1 Weighted Assessment (WA) 1 Performance Task (PT)	15%	Term 2
	15%	Term 3
End-of-Year Examination	70%	Term 4
Overall	100%	



Level-Specific Programme Highlights

	School-based
1	ALP Coding Programme
2	P5 Mathematics Quizzes

coding



Mathematics Competitions - Optional

	For interested students (registration required, self-funded, details will be given at a later date)
1	NMOS by NUS High School
2	Visual-Spatial Mathlympics by Learners' Connection
3	Annual Mathlympics by Learners' Connection





Home-School Partnership



Please ensure that your child has a good mastery of the multiplication tables and the basic concepts and skills learnt in **Primary 4**:

- Whole Numbers
- Fractions
- Decimals
- Geometry
- Measurement
- Data Analysis

* Details can be found in the P4 textbooks.

* Your child is advised to keep his P4 and P5 books/materials for reference this year and in P6/2025.

How can parents help?

**Mastery in P4 concepts and skills
will enhance your child's success
in achieving the learning outcomes
for P5 Mathematics.**



How can parents help?



- ❑ **Monitor & ensure that your child** does his schoolwork so that he has sufficient practice to acquire the necessary procedural skills, accuracy and speed



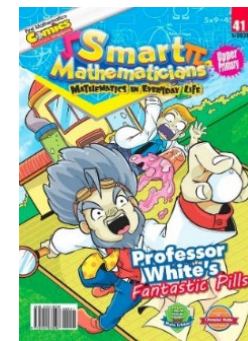
- ❑ **Regularly check your child's books/file**
 - Shaping Maths Activity Books
 - Critical Thinking & STRETCH Exercises
 - Parent's Signature



Recommended Optional Supplementary Materials (available from the school bookshop)

Targeting Maths Companion 5A & 5B

My Pals! Test Book 5 & Homework Book 5A & 5B



+Venture In Maths! Magazine

Subscription:

<https://www.add-venture.com.sg>

Smart Mathematician Magazine

Subscription:

<https://youngscientistsreader.com.sg>

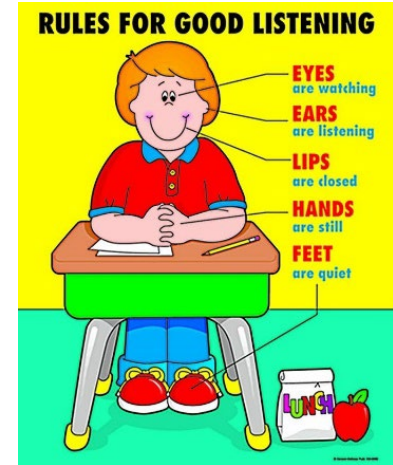
Encourage your child to develop good work habits

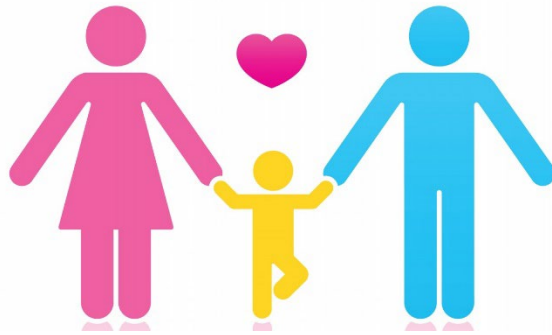
- Overall presentation demonstrating good understanding of Mathematics concepts required to complete task
- Good handwriting
- Use of correction tape is not allowed
- *Complete written task*
- *Solve problems with accuracy*



Instill in your child a positive learning attitude and good habits to maximize learning

- ☑ Behave, Focus and Participate
- ☑ Listen
- ☑ Speak at appropriate times
- ☑ Be organized
- ☑ Be accustomed to sitting down for a period of 1h 30min
- ☑ *Bring necessary **stationery** (pen, pencil, ruler, eraser)*

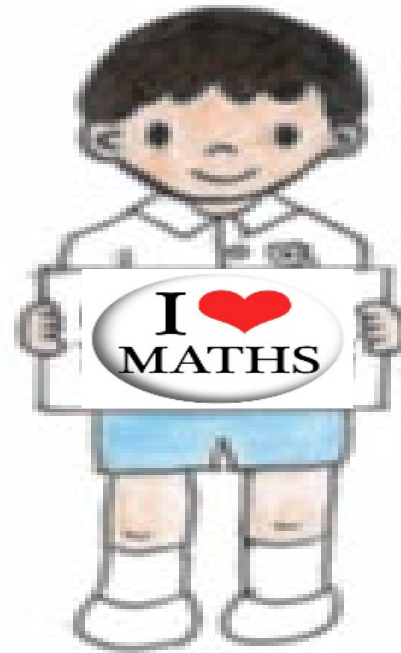




Parents' Support

Parents play an important role
in fostering the
Joy of Learning.

Support your child in developing
dispositions for **lifelong learning.**



**In Partnership with
Parents to Develop
your child to their**

**Fullest Potential: Every student a Creator, Connector,
Contributor**

