



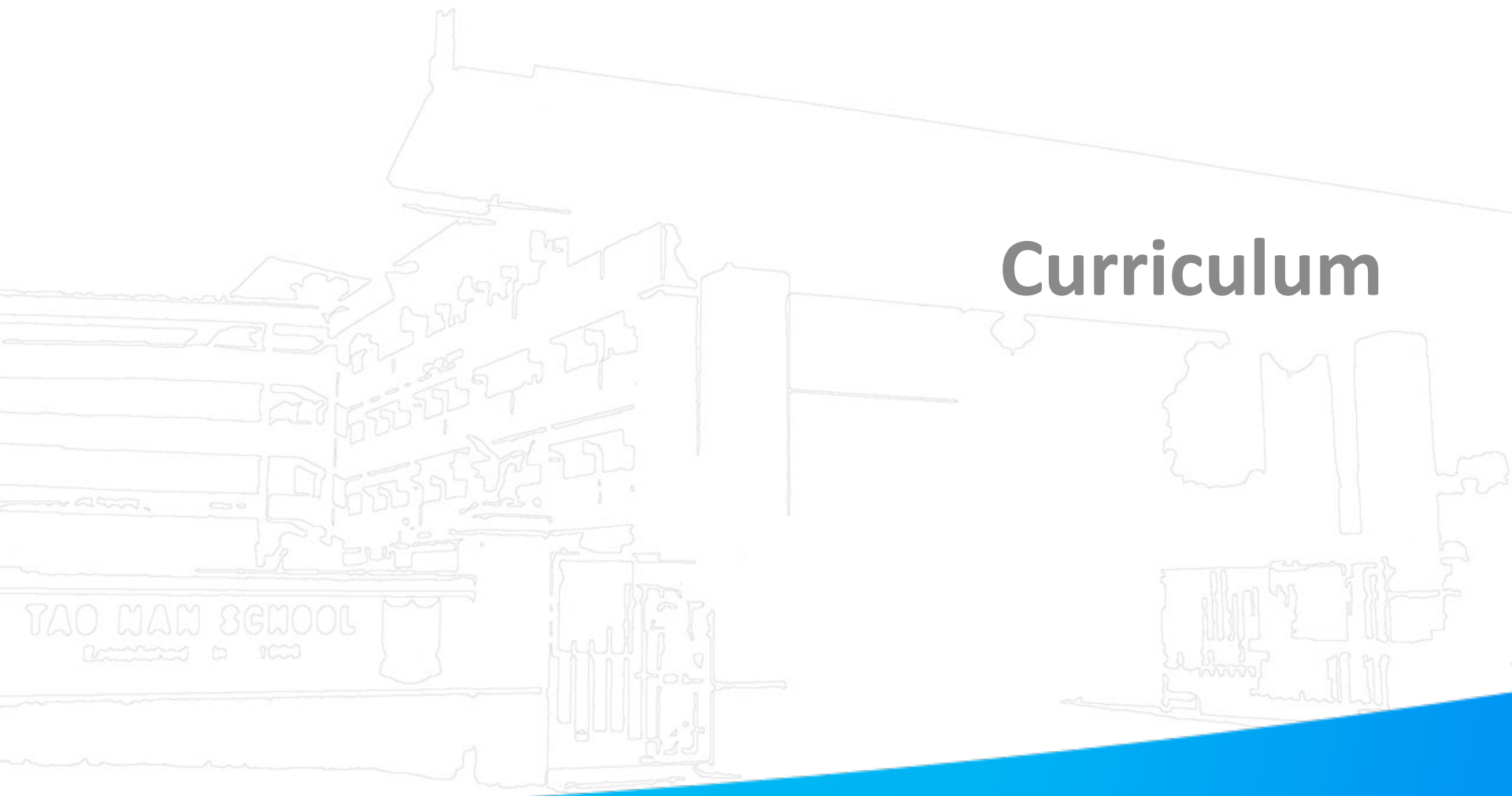
Primary 6 Mathematics Curriculum Information

2022





Curriculum



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.

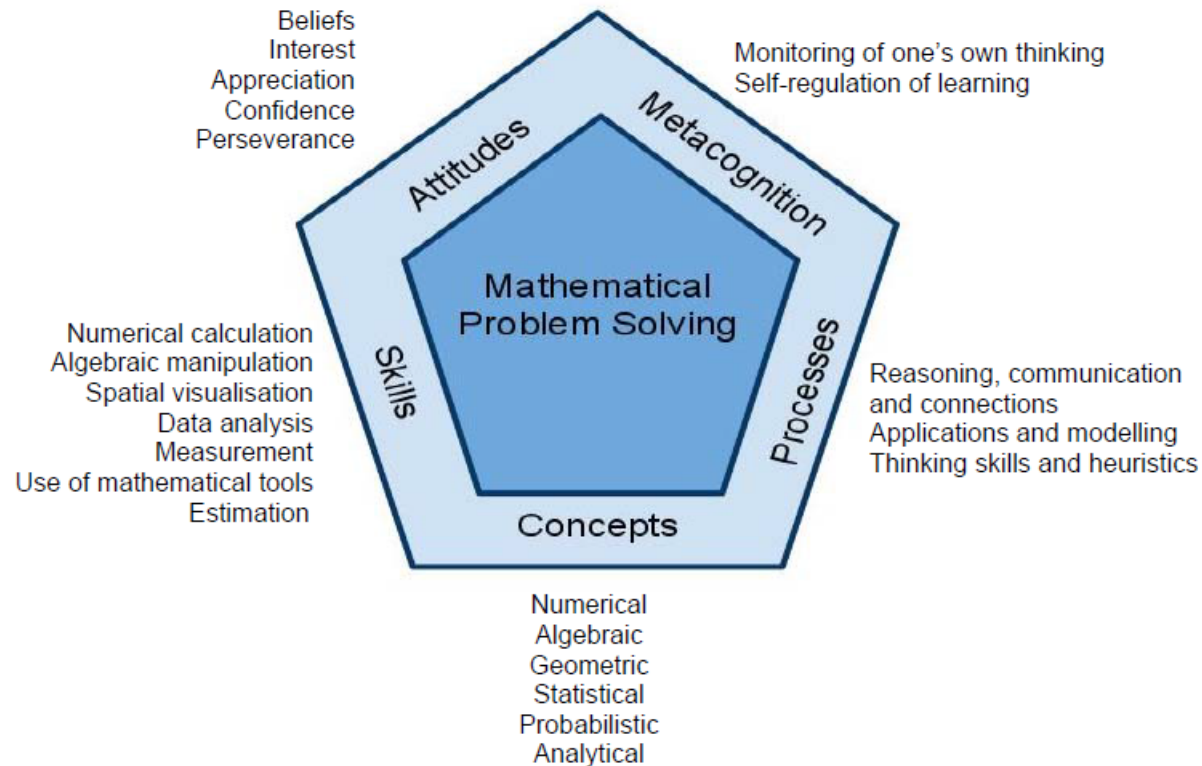


*Love to Learn Maths
Learn to Love Maths*



Mathematics Syllabus

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





Pedagogy



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

- Use 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



Assessment



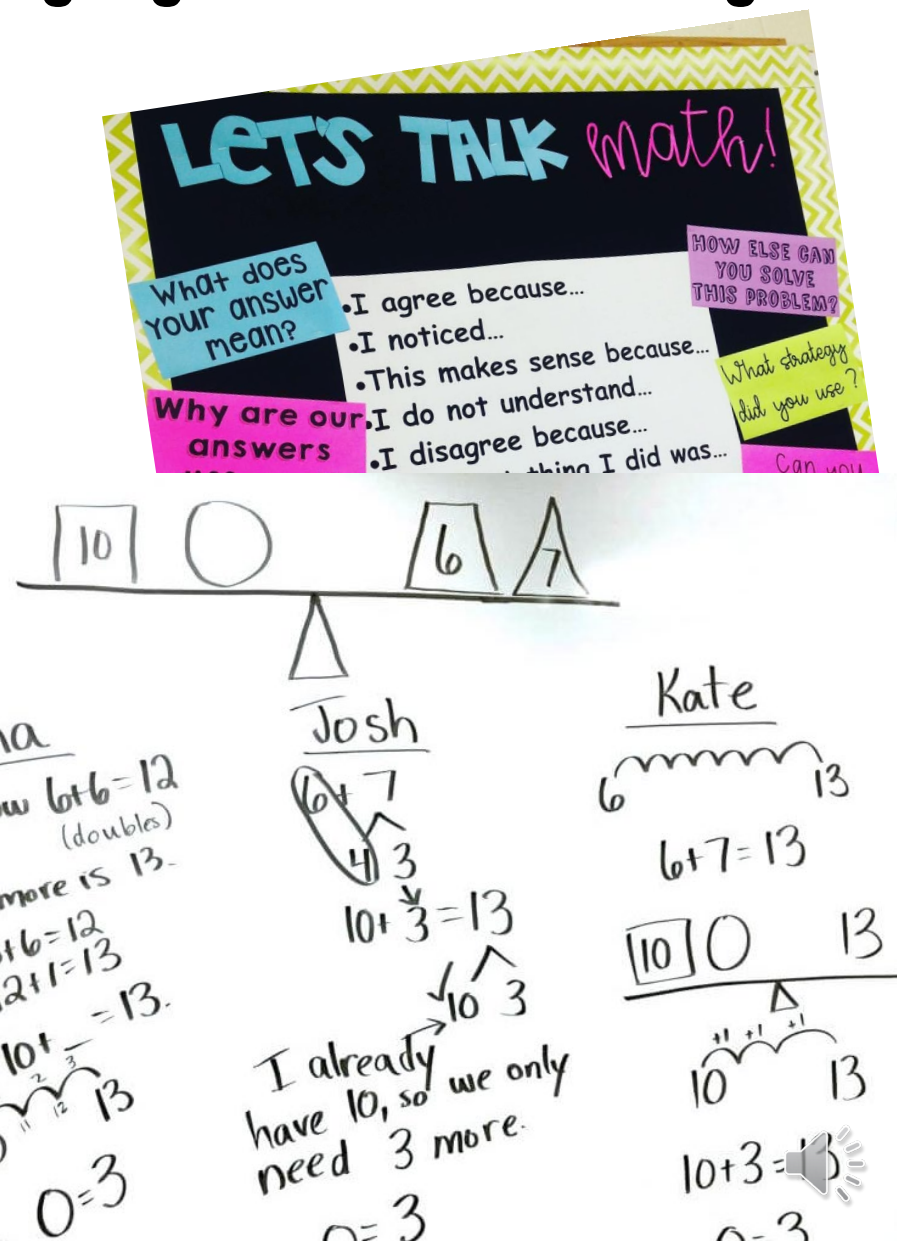
Informal modes of assessment to gauge students' learning

Maths Talk/Class Discussion

Learning experiences

Mathematics Project

Collaborative Work



P6 Mathematics School-based Assessment			
	MYE	Prelim Exam	Total
Weighting	30%	70%	100%

Term	Assessment
Term 2	Mid-Year Examination
Term 3	Preliminary Examination
Term 4	PSLE



P6 Standard Mathematics Examination Format

	Number of questions	Marks per question	Number of Marks	Duration
Paper 1 Booklet A MCQ Booklet B Short-answer Q	10	1	10	Paper 1 Booklet A & B 1 hour No calculators
	5	2	10	
	5	1	5	
	10	2	20	
Paper 2 Short-answer Q Structured/ Long-answer Q Total	5	2	10	Paper 2 1 h 30 min The use of calculators is allowed.
	12	3, 4 or 5	45	
	47	-	100	



1. Both papers will be scheduled on the same day with a break between the two papers.
2. **Paper 1** comprises two booklets.
The use of calculators is **not** allowed.
3. **Paper 2** comprises one booklet.
The use of calculators is allowed.



Item Types

Multiple-Choice Question

For each question, four options are provided of which only one is the correct answer.

The 1-mark multiple-choice questions will be straightforward questions that assess basic concepts and skills of the Primary Mathematics syllabus.

Questions 1 to 10 carry 1 mark each. Questions 11 to 15 carry 2 marks each. For each question, four options are given. One of them is the correct answer. Make your choice (1, 2, 3 or 4). Shade the correct oval (1, 2, 3 or 4) on the Optical Answer Sheet. (20 marks)

1. What does the digit 8 stand for in 5 088 134?

- (1) 8 tens
- (2) 80 tens
- (3) 800 tens
- (4) 8 000 tens

2. Simplify $12 + 7m - 8 - 4m$

- (1) $4 + 3m$
- (2) $4 - 11m$

WRITE

INDEX NUMBER

SHADE OVALS

INDEX NUMBER	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	7	8	9
2	1	2	3	4	5	6	7	8	9
3	1	2	3	4	5	6	7	8	9
4	1	2	3	4	5	6	7	8	9

21 1 2 3 4 5 6 7 8 9

22 1 2 3 4 5 6 7 8 9

23 1 2 3 4 5 6 7 8 9

24 1 2 3 4 5 6 7 8 9

25 1 2 3 4 5 6 7 8 9

26 1 2 3 4 5 6 7 8 9

27 1 2 3 4 5 6 7 8 9

Item Types

1-mark Short-Answer Question

For each question, a candidate has to write his answer in the space provided.

Marks are awarded for correct answers.

Any unit required in an answer is provided and a candidate has to give his answer in that unit.

The 1-mark short-answer questions will be straightforward questions that assess the basic concepts and skills of the Primary Mathematics syllabus.



2-mark Short-Answer question

The question may comprise one or two parts. For each question, a candidate has to write his answer(s) in the space(s) provided.

Marks are awarded as follows:

- ▮ For questions with two parts, 2 marks are awarded for the correct answers, one mark for each part.
- ▮ For questions with one part only, 2 marks are awarded for the correct answer.

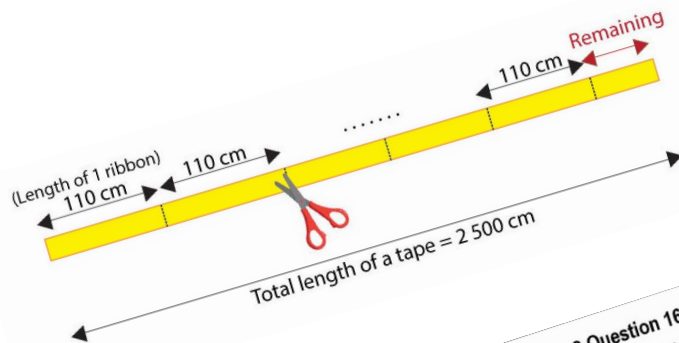
If an incorrect answer is given, 1 mark is awarded for the correct method or working shown.

Any unit required in an answer is provided and a candidate has to give his answer in that unit.

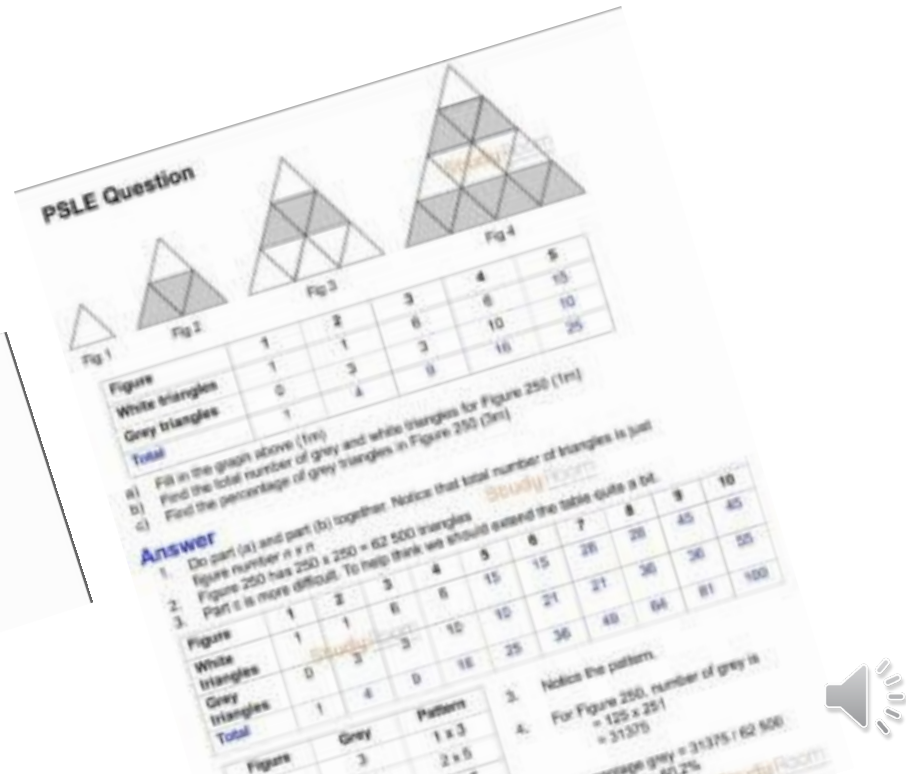
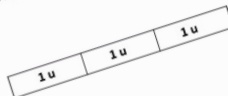
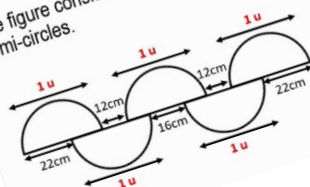


Structured / Long-answer Question

For each question, a candidate has to show his method of solution (working steps) clearly and write his answer(s) in the space(s) provided.



PSLE 2019 Paper 2 Question 16 (a)
The figure consists of 5 semi-circles as shown below. Find the diameter of one of the semi-circles.



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).
This is the responsibility of the candidate.
- Your child **cannot share** calculators with other candidates during the examination.
- (More details are given in the “PSLE 2022 Instructions for Candidates”.)

Our students are using the following models:

CASIO fx 97SG X

CASIO fx 96SG PLUS

CASIO fx 95SG PLUS



Grading for PSLE

Achievement Levels

AL	RAW MARK RANGE
1	90 – 100
2	85 – 89
3	80 – 84
4	75 – 79
5	65 – 74
6	45 – 64
7	20 – 44
8	< 20



	School-based
1	FunMath@Class Activities
2	P6 Mathematics Quiz



Mathematics Competitions - Optional

	For interested students (registration required, self-funded, details will be given at a later date)
1	RI Mathematics Contest by RI
2	SMOPS by HCI



Home-School Partnership



How can parents help?

Please ensure that your child has a good mastery of the basic concepts and skills (learnt in P4 & P5) for the following topics:

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

***Details can be found in the P4 & P5 textbooks and materials**



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 Book 6A
 - My Pals Maths Test Book 6
 - Critical Thinking Booklet A, B, C & D
 - PSLE Past Year Questions (2018 to 2020) Book
 - Supplementary Worksheets, Practice Papers

Recommended **Optional** Supplementary Materials (available from the school bookshop)

Targeting Maths Companion 6A & 6B

My Pals! Homework Book 6A & 6B

A Maths Problem Booklets*

STRETCH Mathematics Book 6

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
- *Complete written task*
- *Solve problems with accuracy*
- *Bring the necessary stationery*
 - ➔ *Pen, pencil, ruler, eraser, mathematical set, calculator*



Aa Bb Cc Dd Ee Ff Gg Hh
Ii Jj Kk Ll Mm Nn Oo Pp
Qq Rr Ss Tt Uu Vv Ww Xx
Yy Zz 0 1 2 3 4 5 6 7 8 9

How can parents help?

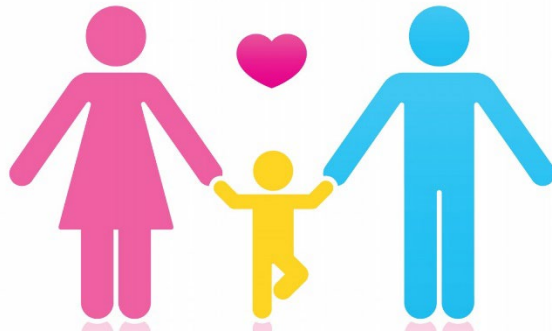


Discourage over-dependence on the use of calculators to ensure that your child is able to perform important computational skills with accuracy and speed.



Get your child accustomed to sitting and focusing for a period of at least 1h 30 min





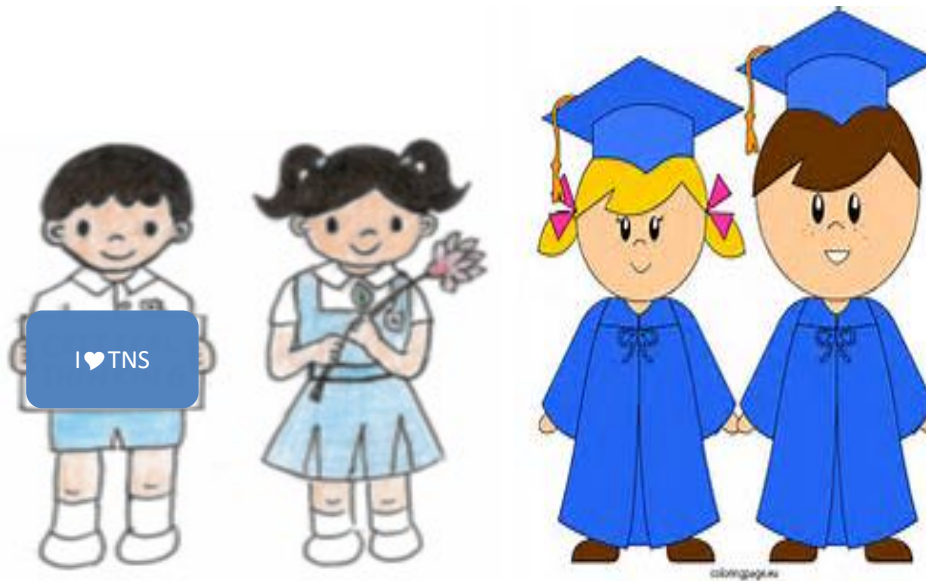
Parents' Support

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 Children to their
Fullest Potential**



Thank You

