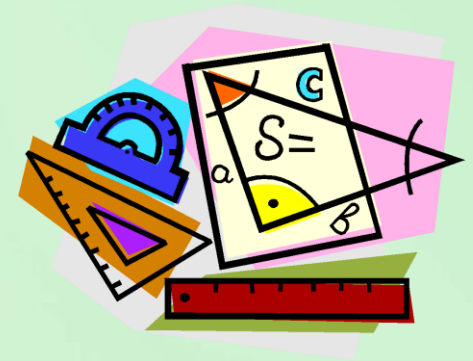


Curriculum Sharing for P1 Parents

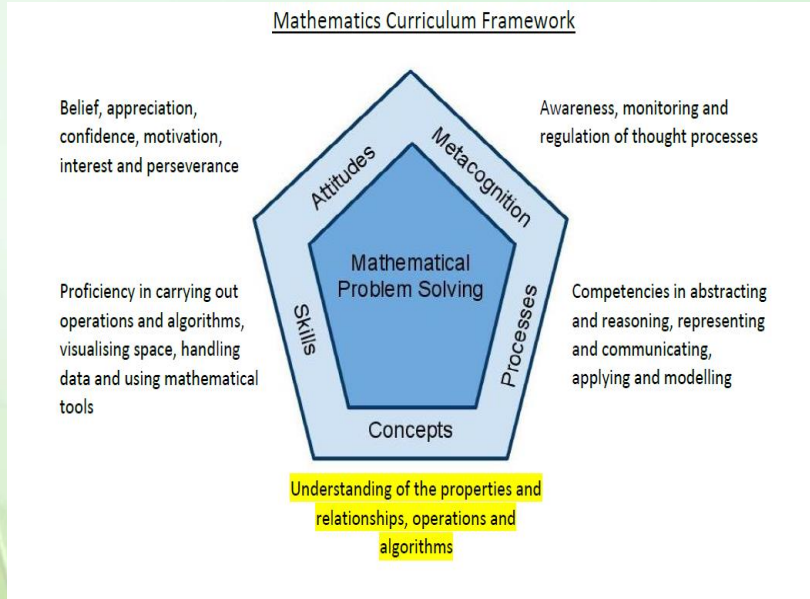
Mathematics



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HOD Math

Aims of P1 Mathematics

Laying a Strong Foundation for Mathematics



Source: 2021 Primary Math Syllabus

- 1. Acquire mathematical concepts and skills for everyday use and continuous learning in Mathematics**
- 2. Develop thinking, reasoning, communication, application and metacognitive skills through a Mathematical approach to problem solving**
- 3. Build confidence and foster interest in Mathematics**

Content Sequence for P1 Textbooks

Semester 1	Term 1 Numbers to 10 Addition up to 10 Subtraction up to 10 Shapes Ordinal Numbers	Term 2 Numbers to 20 Addition & Subtraction up to 20 Picture Graphs Numbers to 100
Semester 2	Term 3 Addition & Subtraction within 100 Length Multiplication	Term 4 Division Time Money



ZHPS Learning Dispositions

Sense of Responsibility

Sense of Curiosity

Collaboration

Creativity

Reflectiveness

Resilience



Resilience, Innovation, Integrity, Care, Collaboration and Excellence

Zhenghua Approach 1: CPA

- Concrete – Pictorial – Abstract Approach
- Use of manipulatives in the concrete way to introduce concepts
 - Students Learn by Doing !



Students worked collaboratively in pairs. There was also peer interaction, and they checked each other's work.

Zhenghua Approach 2: Learning through play

- Through games, children learn to communicate their reasoning skills!
- PALM (Play And Learn Math) @ Classroom



Differentiated and customised according to readiness and students' profile.



Students worked in pairs or groups, and there is joy of learning with hands-on exploration.



Resilience, Innovation, Integrity, Care, Collaboration and Excellence

Zhenghua Approach 3:

Applying Mathematics to solve real problems!

- Children learn to apply concepts and skills learnt in real-world context
- Math Learning Trail /Self-Directed Learning



The students take charge of their own learning. They are engaged in hands-on experience and able to see how Math is relevant to everyday life.



Resilience, Innovation, Integrity, Care, Collaboration and Excellence

Partnering with Parents

- Using CPA, playing mathematics games and focus on applying mathematics in the real world context.

Number	Some Real World Application	Focus
(1) Counting	<ul style="list-style-type: none">• Practise counting steps• Practise counting sweets in a packet	<ul style="list-style-type: none">• Speed• Accuracy
(2) Comparing Numbers	<ul style="list-style-type: none">• Compare number of people in each queue at cashier• Compare number of items in a packet	<ul style="list-style-type: none">• Listening to their way of comparing• Getting them to reason how comparison is useful to make informed decisions

Partnering with Parents

- Cultivate a habit of mastering each mathematics concept through consistent practice.

In School	At Home
<ul style="list-style-type: none">▪ Weekly Problem Sums▪ Mental Sums▪ Math Practice Books▪ Math Topical Worksheets▪ Another Heuristics Adventure (AHA)	<ul style="list-style-type: none">▪ When your child does his/her Math problem or Math homework, advise him/her to write out the complete solution. ▪ Daily 30 minutes of practice is very important.

