

2025 Curriculum Briefing

Primary 5 Mathematics

Learners driven by Passion . Leaders guided by Values

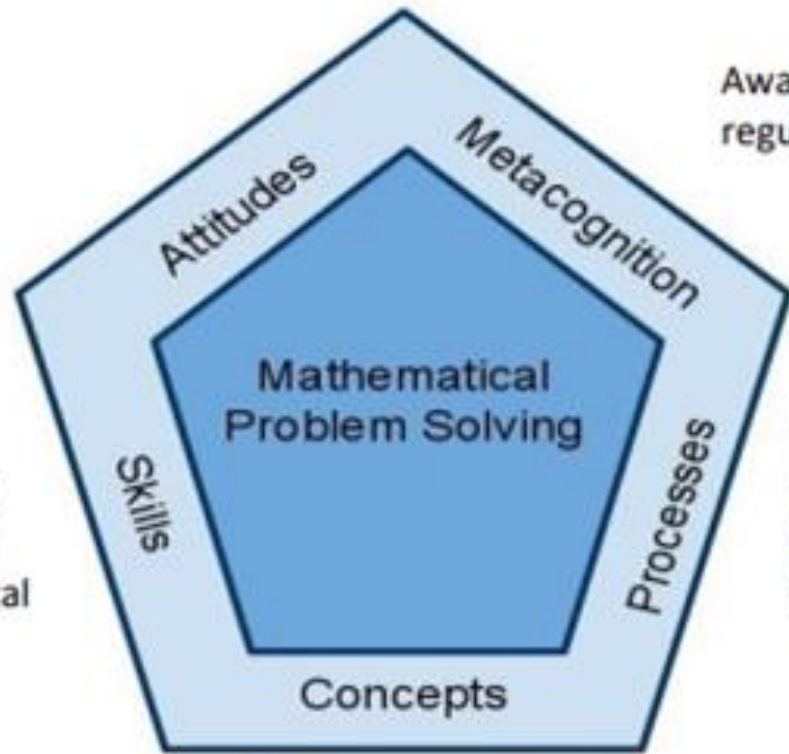
Respect . Responsibility . Resilience . Integrity . Care . Harmony



MOE Primary Mathematics Curriculum Framework



Primary school subjects and syllabuses



Belief, appreciation, confidence, motivation, interest and perseverance

Awareness, monitoring and regulation of thought processes

Proficiency in carrying out operations and algorithms, visualising space, handling data and using mathematical tools

Competencies in abstracting and reasoning, representing and communicating, applying and modelling

Understanding of the properties and relationships, operations and algorithms

Learners driven by Passion . Leaders guided by Values

Respect . Responsibility . Resilience . Integrity . Care . Harmony



Objectives About Primary Mathematics

- ★ 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
- ★ Build confidence and foster interest in mathematics

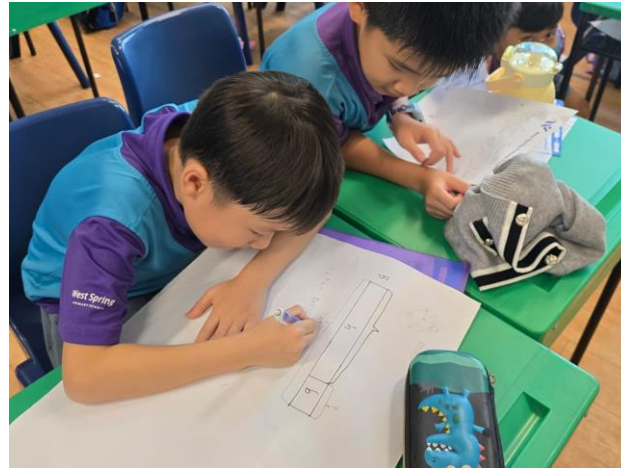
Learning at West Spring Primary Concrete - Pictorial - Abstract Approach

Concrete



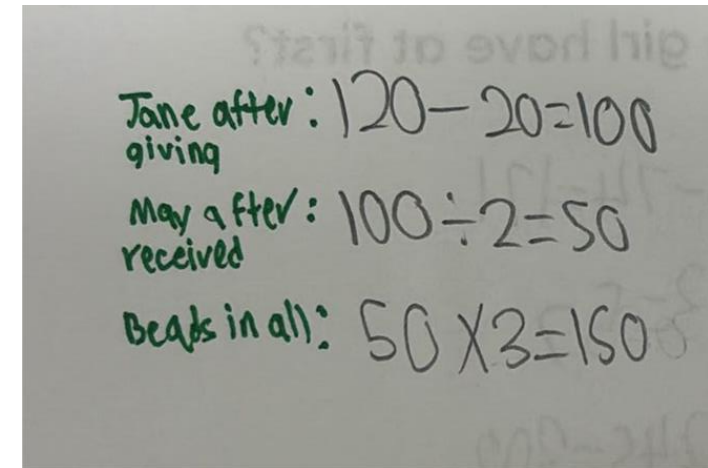
Through the use of manipulatives, students are engaged in learning the fundamental concepts, explore and ask questions that spark curiosity and interest in Math

Pictorial



Students represent questions and solutions in pictorial forms. These include model and diagrams drawing. This allows them to better understand the questions without physical manipulatives

Abstract



Representing questions and solutions with numbers, symbols with necessary annotation, students are able to work with abstract forms.

Learning at West Spring Primary

PLAY 2.0

Engage



Through activities that spark curiosity and exploration, students learn about the concepts. This aims to build interest and motivation towards learning Math.

Empower



Students are given choices in selecting how they want to present their understanding and select different questions to check their learning of the concepts taught.

Extend



Bringing learning beyond the classroom. Students seek to apply concepts at home through real-life applications.

Our Key Programmes

Programs that meet the needs of diverse learners

Stretch Programme

- E2K
- Math Olympiad Competitions and Challenges

Support Programmes

- After-school Program (selected students with targeted support)
- Learning Support for Mathematics (LSM)
- Consultation (students initiated)



Assessment Matters

WA 1	WA 2	WA 3	End-of-Year
50 min	50 min	50 min	Standard Mathematics Paper 1 - 1 h 10 min Paper 2 - 1 h 20 min Foundation Mathematics Paper 1 - 1 h Paper 2 - 45 min
30 marks	30 marks	25 marks	Standard Mathematics 100 marks Foundation Mathematics 80 marks

Assessment for Learning

– Formative assessments that monitor students' learning throughout the course. Class discussions, daily work and Weighted Assessments for us to provide feedback on students' progress.

Assessment of Learning

– Summative assessments that evaluate students' learning. End of Year / Prelims

Syllabus - What will students learn?



Foundation Mathematics	
Numbers up to 10 million	Term 1
4 Operations of Whole Numbers	
Factors and Multiples	
Fractions – Fraction as part of a Whole	
Time	Term 2
Angles	
Perpendicular and Parallel Lines	
Mixed Number and Improper Fractions	
Multiplication of Fractions	Term 3
Decimals and 4 Operations of Decimals	
Rate	Term 4
Area and Perimeter	
Volume of Cubes and Cuboids	
Tables, Bar Graphs and Line Graphs	



Syllabus - What will students learn?



Standard Mathematics	
Numbers up to 10 million	Term 1
4 Operations of Whole Numbers	
Fraction and Division	
4 Operations of Fractions (I)	
4 Operations of Fractions (II)	Term 2
Area of Triangles	
Volume of Cubes and Cuboid	
Decimals	
Rate	Term 3
Percentage	
Angles	
Properties of Triangles	Term 4
Properties of Parallelogram, Rhombus and Trapezium	



Partnering with the teachers

Working together to support your child's learning



Bond through Math

- Encourage students to apply their concepts to real-life situations.
Involve your child in budgeting for an event/trip or calculating expenses during shopping and noticing and chatting about graphs and charts in the newspapers or pamphlets.

Build a growth mindset

- Praise them for their effort rather than outcome/results. .
- Encourage them to take feedback and mistakes constructively

Inculcate good learning habits and ownership of learning.

- Build the habit of being organised by encouraging them to file their work regularly.
- Encourage them to reflect on their learning for the week and celebrate with them on their efforts in learning.
- Encourage them to set targets and track their personal progress.

Thank you!

