

# Mathematics Primary 4



#### SINGAPORE MATHEMATICAL FRAMEWORK

#### Mathematics Curriculum Framework

Belief, appreciation, confidence, motivation, interest and perseverance

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

Awareness, monitoring and Metacognition regulation of thought processes Attitudes Mathematical Processes Problem Solving Competencies in abstracting SKIIS and reasoning, representing and communicating, applying and modelling Concepts Understanding of the properties and relationships, operations and New: 2021 algorithms

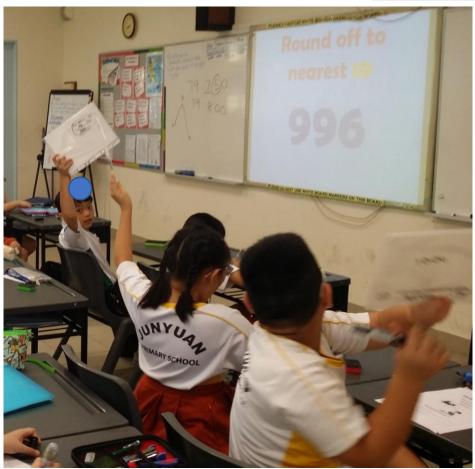
#### Key Department Approaches & Programmes

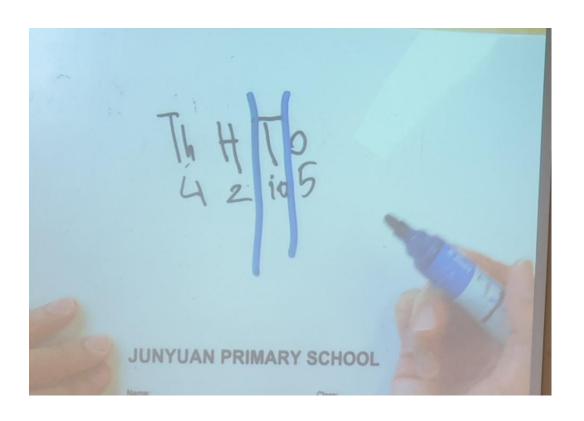
- **Sustained Support for Maths (SSM)**
- Factual Fluency
- **Note Taking**
- STAR Heuristics Package (STAR Hpack)
- **Enrichment (For selected students only)** 
  - **Mathematics Olympiad Training (Semester 1)**
  - Maths Excellence 2000 (E2K) Programme

### Sustained Support for Maths (SSM) Activity - based lessons

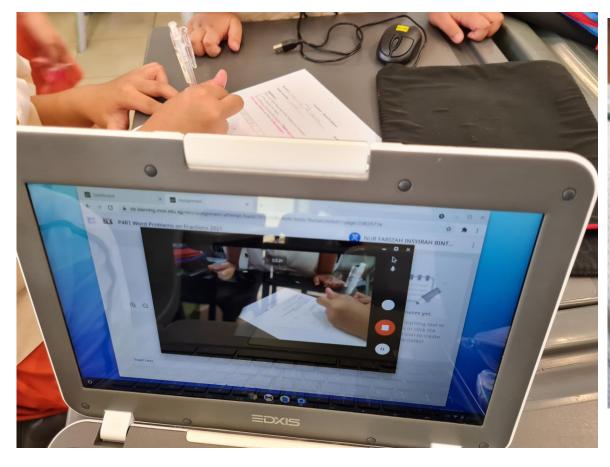


### Sustained Support for Maths (SSM) **Factual Fluency**





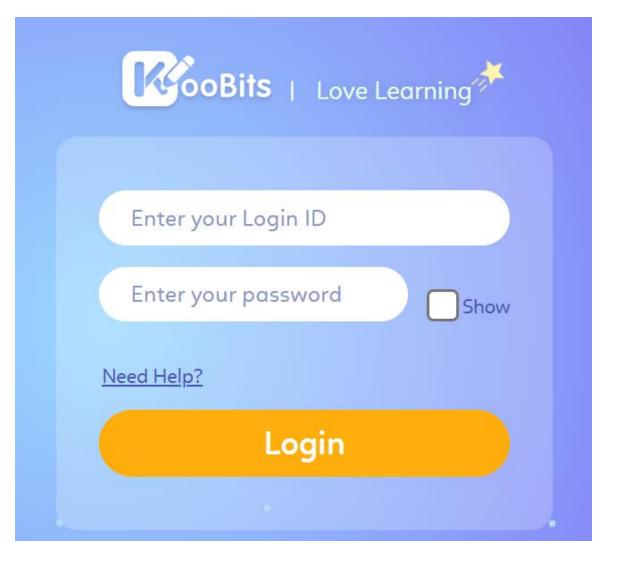
#### Sustained Support for Maths (SSM) ICT - based lessons









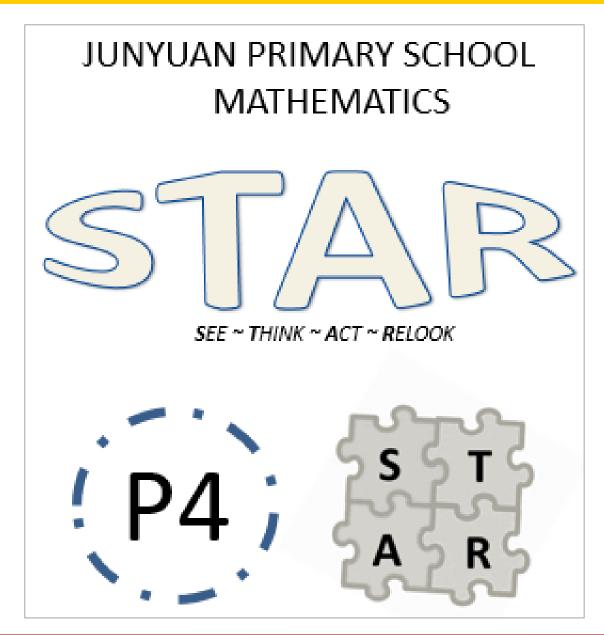


# Note Taking

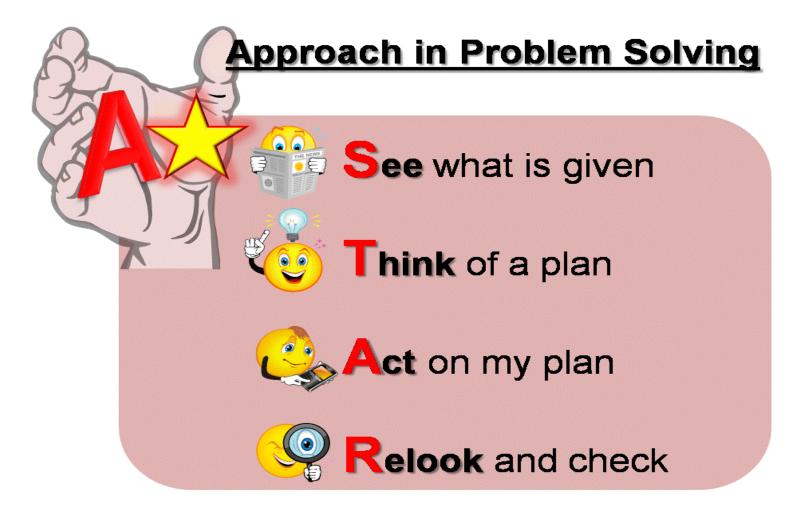
Teachers will get students to take down important Maths concepts and notes. The exercise book used for the notes should be **brought to school daily**.

	14H(T)2 Date:
0	There are 4 digits in this numeral
27	The digit 2 is in thousands place.
3)	The digits is in bundred place.
4)	The digitais in tens place.
5)	The digital is in ones place. The value of 2 is 2000.
6)	The value of 8 is 800
8)	The value of 6 is 60
9)	The value of 4 is 4
10)	2864 is an even number
	-001 1: 00:

# **STAR** Heuristics Package (STAR Hpack)



#### **STAR**



## **Examples of Heuristics**

- **Model Drawing**
- Guess and Check
- Work backwards
- Restate the problem

### Assessment



#### Format of Assessment

Section	Item Type	Number of Questions	Allocation of Marks per Question	Weighting	Duration
A	MCQ	15	2 marks	30%	
В	SAQ	21	2 marks	42%	1 h 45 min
C	LAQ	8	3 to 4 marks	28%	

### Topics at P4

Num	bers	to	100	000

Factors and Multiples

Four Operations of Whole Numbers

Tables and Line Graphs

Fractions (I and II)

Angles

Rectangles and Squares

#### **Decimals**

Four Operations of Decimals

Pie Charts

Area and Perimeter

Nets

Symmetry



# Supporting our Students

- Relate Maths to daily life.
- Actively engage in school's online platforms e.g. Koobits
- Help them to memorise multiplication tables
- Encourage your child to ask questions
- Refer to textbooks / Mathematics Handbook (Orange file) / own notes taken during lessons



# Online Maths Alive! Workshop for parents (via Zoom)

Save the date! 19 April 2024 Details will be sent via PG nearer the date



#### **Primary 4 Curriculum Briefing 2024 - Frequent Asked Questions**

Q: Should worksheets and textbooks from previous years be kept?

#### A:

The Mathematics syllabus is a spiral curriculum. The concepts that students learn in the current year is build-on from previous years. It is, therefore, advisable for students to retain the notes and textbooks from the previous years for revision purposes.

