

# Mathematics Information for P1 Parents

Mrs Sharon Gan

Mrs Winnie Ho



**ST JOSEPH'S INSTITUTION JUNIOR**

A Lasallian School of the *Bella Salle* Brothers



# Mathematics

## A Confident Problem Solver



**ST JOSEPH'S INSTITUTION JUNIOR**

A Lasallian School of the *Bethlehem* Brothers



# Making Transition in Learning Mathematics



Young children enter Primary 1 with **differing starting points, different needs**



**ST JOSEPH'S INSTITUTION JUNIOR**

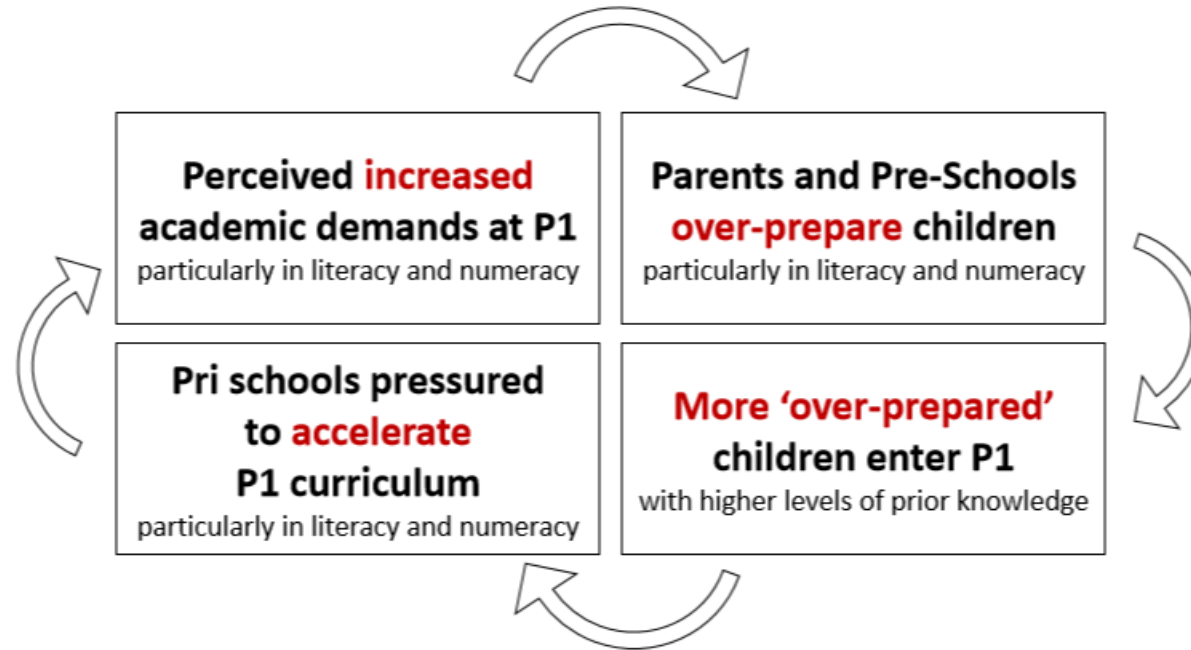
A Lasallian School of the *Bella Salle* Brothers



# Making Transition in Learning Mathematics

## Over-preparation in Academics for Primary School

Tendency to over-prepare children for primary school, particularly in the academics is not helpful in developing children's positive learning dispositions.



This results in greater stress on children which could lead to an erosion of children's Joy of Learning.



ST JOSEPH'S INSTITUTION JUNIOR

A Lasallian School of the *Bella Falls* Brothers



# Making Transition in Learning Mathematics



Pre-school

*How did our children learn in pre-school?*

Provided with opportunities for numeracy during **daily routines and transitions**

Encouraged children to talk about **numeracy activity**; model the use of **numeracy terms**

Provided with a **variety of materials** such as manipulatives, concrete objects and picture cards to **see connections and apply** the learning of numeracy concepts

Used **stories, songs and rhymes** to set meaningful contexts

Used **games, manipulatives or dramatic play** to explore and reinforce numeracy concepts

*How can I build on from my students' pre-school learning experiences?*



Primary School

Explain in a **clear, concise and well-paced manner** ; consistent use of **Maths terms**

Provide **scaffolding** when appropriate

Provide opportunities for **group activities**

Use **manipulatives/resources** to engage students

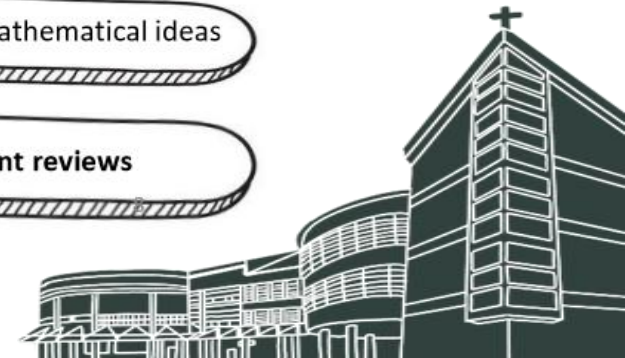
Make **connections** between mathematical ideas

Conduct **short, frequent reviews**



ST JOSEPH'S INSTITUTION JUNIOR

A Lasallian School of the *Bella Falls* Brothers



# Teaching and Learning - Syllabus

| Semester 1                       | Semester 2   |
|----------------------------------|--|
| <b>Term 1 :</b><br>Numbers to 10 | <b>Term 3 :</b><br>Addition & Subtraction within 100 |
| Addition & Subtraction within 10 | Length   |
| Shapes                           | Multiplication                                       |
| Ordinal Numbers                  | <b>Term 4 :</b><br>Division                          |
| <b>Term 2 :</b><br>Numbers to 20 | Time   |
| Addition & Subtraction within 20 | Money  |
| Picture Graphs                   |  |
| Numbers to 100                   |  |



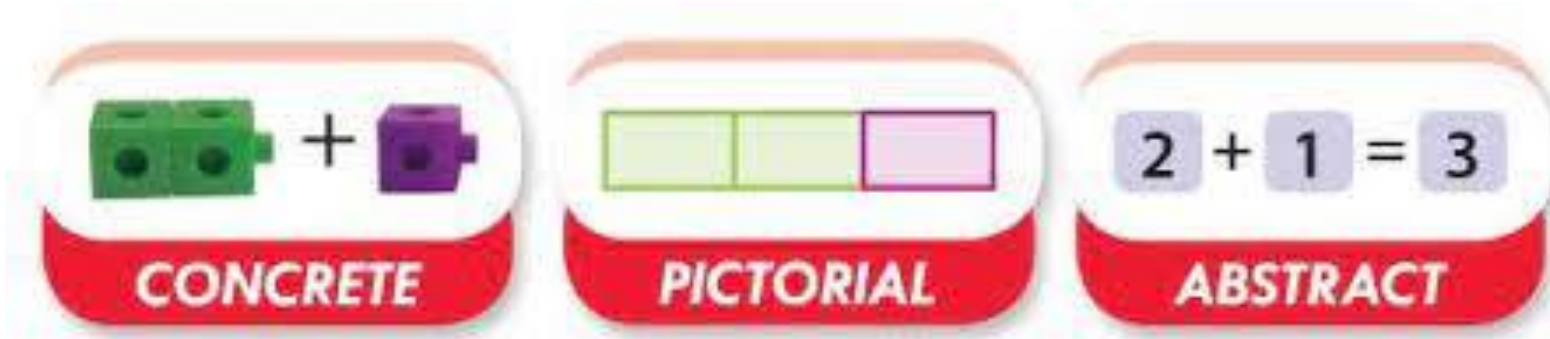
**ST JOSEPH'S INSTITUTION JUNIOR**

A Lasallian School of the *Bethlehem* Brothers



# Teaching and Learning

## CONCRETE PICTORIAL ABSTRACT APPROACH



**ST JOSEPH'S INSTITUTION JUNIOR**

A Lasallian School of the *Bella Salle* Brothers



# Teaching and Learning

**Concrete** – Using manipulative to help pupils to construct knowledge through hands-on activities



ST JOSEPH'S INSTITUTION JUNIOR

A Lasallian School of the *Bella Salle* Brothers





# Teaching and Learning

**Pictorial** - Diagrams / models

**Abstract** – Moving away from concrete to doing more work in the head. ( eg, mental calculations)



ST JOSEPH'S INSTITUTION JUNIOR

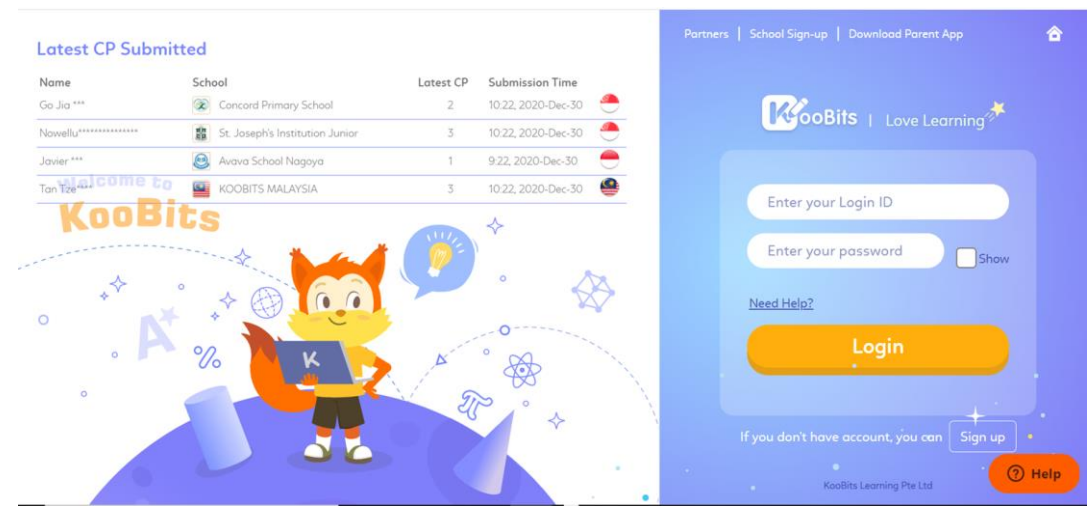
A Lasallian School of the *Bella Salle* Brothers



# Teaching and Learning – Digital Portal



Student Learning Space (SLS)  
Used by all subjects



Koobits (Math Only)



**ST JOSEPH'S INSTITUTION JUNIOR**

*A Lasallian School of the *Bella Salle* Brothers*



# Teaching and Learning



- Link to SLS activities
- For self-directed learning

—————→ QR Code



**ST JOSEPH'S INSTITUTION JUNIOR**

A Lasallian School of the *Bella Falls* Brothers




# Teaching and Learning

STUDENT  
LEARNING SPACE

## Naming Basic Shapes

Every day we see different shapes around us. Watch this video to take a look at 4 of them: the square, the triangle, the rectangle and the circle.



Copyright © MOE, Singapore

### Activity List

- Introduction
- 1 Naming Basic Shapes**
- 2 Knowing More About Basic Shapes
- 3 Grouping Basic Shapes
- 4 Completing Patterns with Basic S...



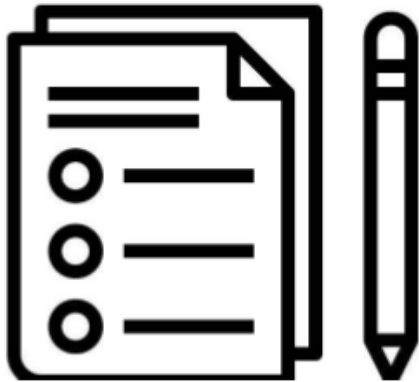
**ST JOSEPH'S INSTITUTION JUNIOR**

A Lasallian School of the *Bella Salle* Brothers



# Teaching and Learning – Classroom Assessment

How should assessment look like in a Primary 1 classroom?



No

Weighted Assessment



Focus on

Formative Assessment



ST JOSEPH'S INSTITUTION JUNIOR

A Lasallian School of the *Bella Salle* Brothers



# Teaching and Learning – Classroom Assessment

## Assess Students' Learning from Multiple Sources



Classroom  
Observations/  
Classwork



Diagnostic  
Tests



Quizzes



Performance  
Tasks



Journal  
Writing



Topical  
Review /  
Homework



**ST JOSEPH'S INSTITUTION JUNIOR**

A Lasallian School of the *Bethlehem* Brothers



# Partnership with Parents

How can I help?

Ensure your child has :

- a good mastery of the basic number concepts and skills
  - recognise , read and write numbers 0 to 100
- the ability to count

~ Activities such as matching , sorting, pairing , ordering and patterning would help your child to develop his number sense & basic number concepts.



**ST JOSEPH'S INSTITUTION JUNIOR**

A Lasallian School of the *Bella Salle* Brothers

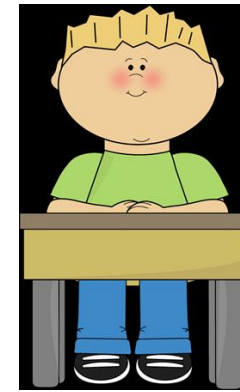


# Partnership with Parents

How can I help?

Ensure your child

- Completes his work on his own
- Shows you what he has learnt
- Is accustomed to sitting down and concentrate for a period of at least 40 minutes



**ST JOSEPH'S INSTITUTION JUNIOR**

A Lasallian School of the *Bella Falls* Brothers







**ST JOSEPH'S INSTITUTION JUNIOR**

A Lasallian School of the *Bella Salle* Brothers

