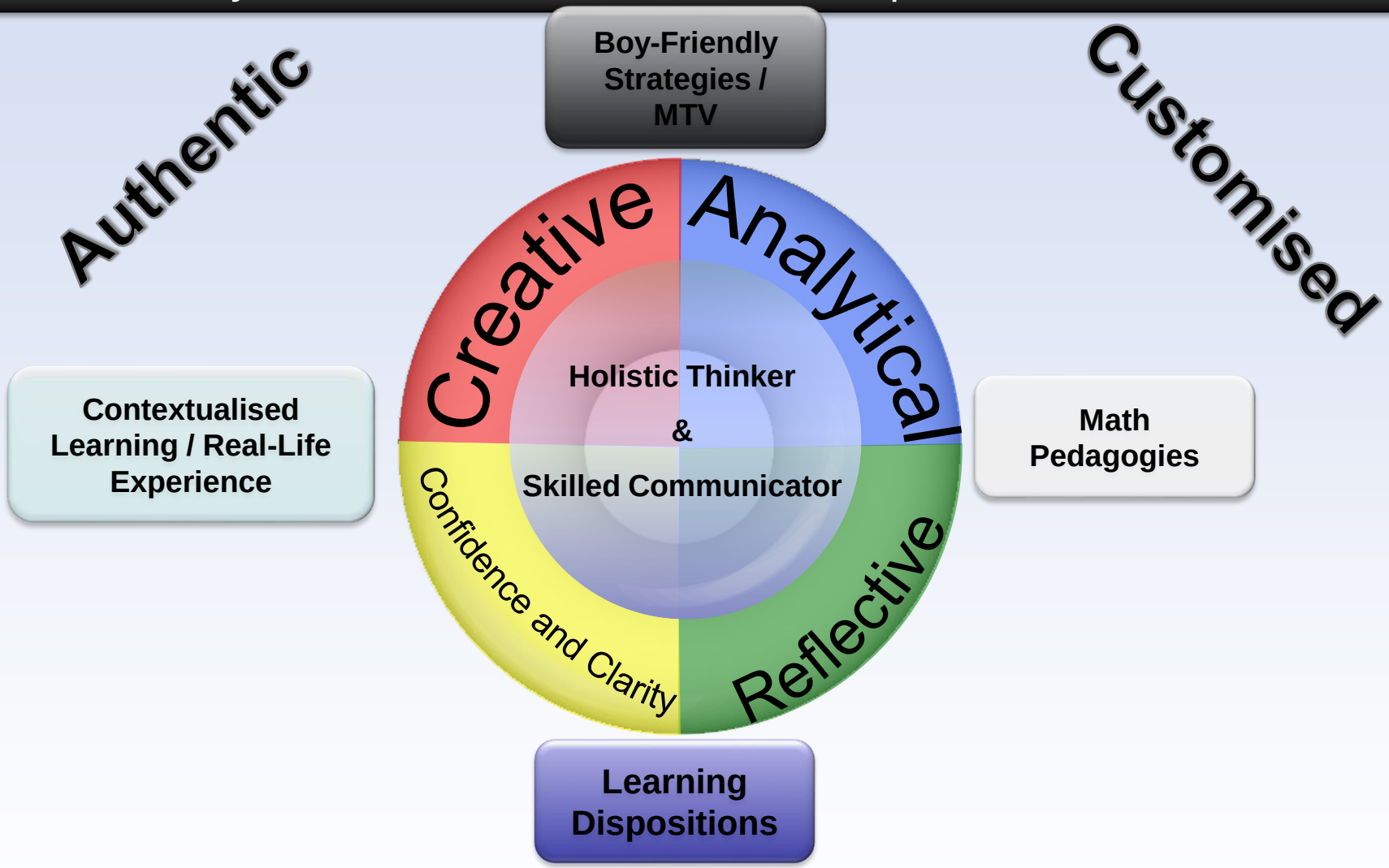
Nurturing a Holistic Thinker and Skilled Communicator in Mathematics

Our Math Department Vision

Every Saint, is a creative, self-directed problem-solver



Learning Dispositions

The disposition to :

- Persevere (Resilience)
- Be adventurous (Wonder)
- Make connections (Wonder)
- Be accurate (Excellence)
- Seek and evaluate reasons (Wonder)
- Have metacognition (Self-Discipline & Excellence)

SAJS
Signature Pedagogy

Teaching understanding of concepts through 3 representations

E Enactive

- Provide learning experiences through the use of concrete materials, manipulatives or hands-on activities.

P Pictorial

- Provide learning experiences with the use of visual medium : pictures, diagram, images, videos, etc to allow pupils to generate mathematical rules and regulations through questioning.

A Abstract

- Provide learning experiences for identification and application of problem-solving skills and strategies, as well as the explanation of concepts, giving examples and non-examples and justification for specific rules and solutions.

SAJS Problem Solving Approach

1

- **Read and Understand**
- Have I used Structured Questioning ?
- Have I used chunking to identify key information?
- Can I restate the problem by drawing a picture or diagram to help me understand the problem?

2

- **PLAN**
- What **strategy or heuristics** can I use to solve the problem? What makes you say that?

3

- **Carry out the Plan**
- Did I label my steps?
- Did I use the right mathematical symbols?
- If I am stuck, do I have an alternative method? **What makes you say that?**

4

- **Check**
- Does the answer make sense?
- Have I **check** for reasonableness and accuracy? (Confirm)
- Have I checked for calculation errors?
- Have I checked for transfer errors?
- Have I transferred information correctly?
- Have I included the correct measurement units?

Format of PSLE FMath

Booklet	Item Type	No. of Questions	Marks (%)	Duration
Paper 1 A	MCQ	20	30 (33.3%)	1h
Paper 1 B	Short-answer	10	20 (22.2%)	
Paper 2	Short-answer Structured Long answer	10 6	20 (22.2%) 20 (22.2%)	1h

Note: No Calculators are allowed for Paper 1

P6 Fmath Topics

Topics
Fractions
Decimals
Percentage
Area & Perimeter
Average
Triangles, Rectangles & Squares
Pie Charts
Volume

Materials Used in Class

- Targeting Math TB 6A and 6B
- Targeting Math Workbook 6A and 6B
- Extra worksheets
- Practice Papers
- Blue file – Sem 1
- Purple file – Sem 2

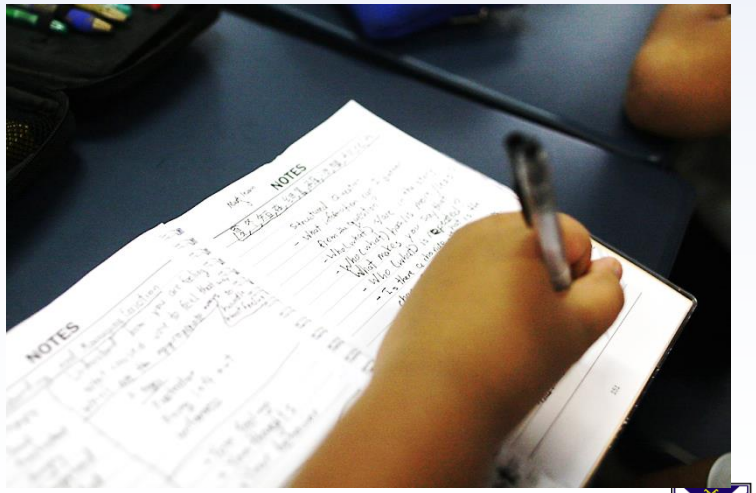
Assessment format* for P6

	Time (Week)	Maths
Term 1	NIL	NIL
Term 2	Week 8	SA1 - 90 marks
Term 3	NIL	NIL
Term 4	Week 8	SA2 - 90 Marks (100%)

* Subject to changes

Key Areas of Focus

- Factual fluency
- Procedural fluency
- Conceptual understanding
- Checking for reasonableness and accuracy
- Use of Alternative Solutions



Ways we hope to partner you

Rigor

- Ensure daily* practice
- Check their PO and class website
- Get child to explain concepts to you
  (encourage mathematical reasoning)

Ways we hope to partner you

Presentation of Work (Neat and Organised)

- Ensure that there are proper steps and equations
- Ensure **proper filing** of Worksheets
- Ensure **corrections are complete**

Ways we hope to partner you

- Develop and prepare them the following skills
  - Time Management
  - Exam-taking skills
  - Accuracy
  - Mental Calculation

- Responsible use of the calculator

THANK YOU