

# Mathematics (MA)

## Key Goals

- Ensure that all students will achieve a level of mastery in numeracy thus allowing them to function successfully in future life and careers as a result.
- Foster the joy of learning through solving authentic, real-life problems, developing mathematical communication and thinking skills.
- Nurture all students to be creative thinkers, self-directed, independent learners and innovative problem solvers by enriching them with mathematical content, knowledge and skills.



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*Infusing ICAN in LSM*

# Mathematics (MA)- Key Programmes



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- ❑ **ICAN (Improving the Confidence and Achievement in Numeracy) , Learning Support for Mathematics (LSM)**
  - ❑ Targeted at improving the confidence and achievement of students in mathematics by using intervention strategies to tackle 4 key issues: learning gaps, language, motivation and memory.
  
- ❑ **Problem-Based Learning**
  - ❑ Through PBL, students see the relevance of mathematics to the real world and be able to apply these problem solving skills when faced with challenges in the future.



*Toys made with recycled  
3D solids*



*Students weigh the  
amount of trash they had  
collected over a week.*

# Mathematics (MA)- Key Programmes



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## ❑ Recess Games

- ❑ To promote the joy of learning of mathematics with the use of cards, puzzles and games.

## ❑ E-learning

- ❑ Students have opportunities to learn actively and independently at home or collaboratively at school.

## ❑ Parent's Workshop

- ❑ Parents will learn to use manipulatives, activities and games to reinforce mathematical concepts and skills with your child and help them to make mathematical connections in real life situations.

# Mathematics (MA)

## Our Approach

### Learning By Doing

- Concrete-Pictorial-Abstract (CPA)
- Activities/Games/Problem-based learning (Real-life situations)



*Students using numbers, addition and subtraction words cards to learn Math facts in pairs.*



*Students using linking cubes (CPA) to learn counting, addition and subtraction of numbers.*



*Students simulate a real-life situation to understand the mathematical concept of ordinal numbers.*



*Students measure length using a measuring tape.*



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