



# XINGNANIANS achieving mastery in Mathematics

The learning of mathematics provides an excellent vehicle to train the mind, and to develop the capacity to think logically, abstractly, critically and creatively.



## Exploration & Discovery

Xingnanians will have opportunities to:

- Explore and analyse mathematical situations and construct logical arguments.
- Discover mathematical results on their own to encourage inquisitiveness.



## Communication

Xingnanians will get to:

- Discuss, articulate and explain ideas to develop problem-solving and reasoning skills.
- Develop the ability to use mathematical language to express ideas and arguments logically to help develop their understanding and sharpen their mathematical thinking.



## Meaningful Learning

Xingnanians will be able to:

- Develop proficiencies in mathematical skills by having the opportunities to use and practise the skills in real-life contexts.
- Make connections among mathematical ideas and the real-world and see the meaning and relevance of mathematics.

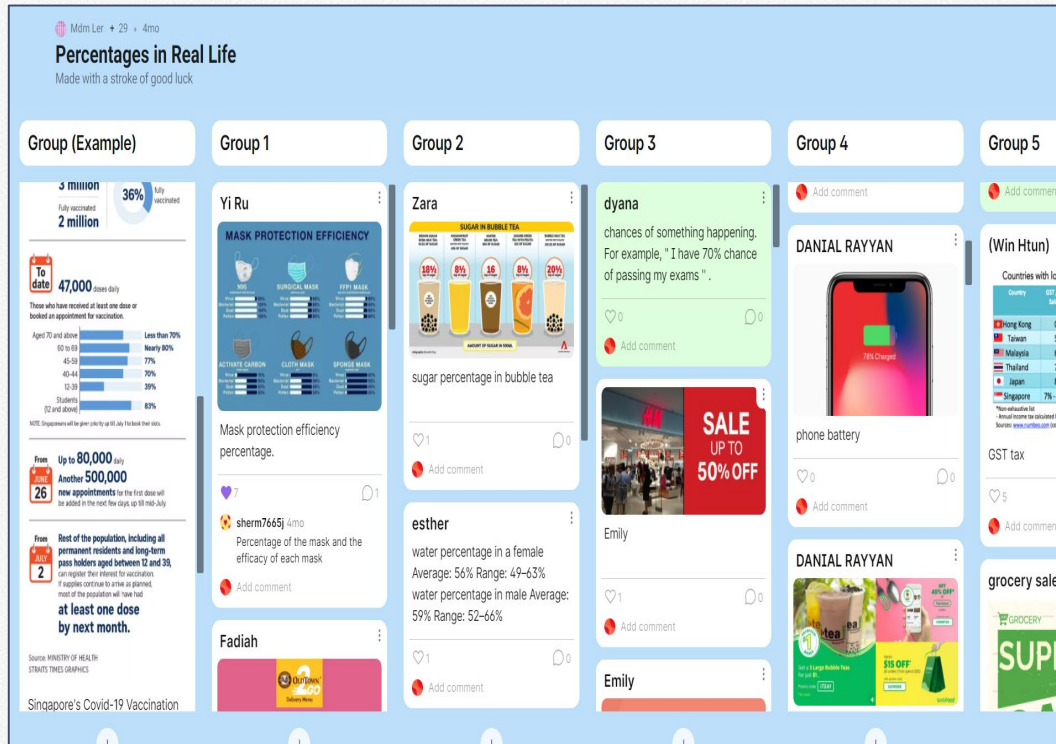


## Manipulatives + Technological Aids

Xingnanians will be exposed to:

- A variety of learning experiences including hands-on activities and use of technological aids.
- The relationship between abstract mathematical concepts and concrete experiences that will enable them to construct meaning in their learning.

# Math Learning



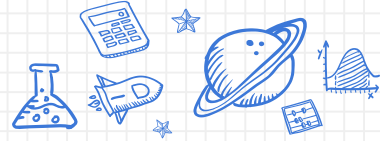
The learning of mathematics at all levels involves more than the basic acquisition of concepts and skills. It also crucially involves an understanding of the underlying mathematical thinking, the general strategies of problem solving and positive attitudes to and appreciation of mathematics as an important and powerful tool in everyday life.

**Pupils making connections to real life examples of Percentages**



# Math Programmes

## • Math Meets Science Week



We curate meaningful learning experiences to foster seamless connections between Math and Science.

We provide hands-on learning experiences and draw meaningful connections with real-world applications.

We create opportunities for gaining skills of problem-solving, exploratory learning, and critical thinking.

**Pupils exploring about density and buoyancy through hands-on experiment**

# Math Learning Resources

## • KooBits (Online Platform)



KooBits is designed to help your child learn Math independently, effectively and confidently.

The platform uses animated videos and colourful illustrations to provide visual learning aid for your child.

Questions are tailor-made for your child, according to his/her learning ability.

Mastering Math in various forms and more interesting ways.

[Introductory Video: KooBits - Love Learning](#)

# Math Learning Resources

## • KooBits (Online Platform)



Login Address:

<https://problemsums.koobits.com>

Login ID format:

**XNPS + Last 6 of BC number (5 digits & 1 letter)**

Login ID example:

**XNPS12345A**

Default password:

**Same as Login ID\***

*\*Default Password only applies to new users. Old users can still use their previous password to login.*