WELCOME TO
XINGNAN PRIMARY SCHOOL

Primary 3 Parents' Engagement Information Slides

21 January 2022 (Friday)

What is new for P3?

P3 TechEd MoCCA

- Short for “Technological Education”
- To develop pupils’ inventive mindset
- A weekly Modular CCA module (from July to November)
- Pupils will learn to solve problems with technological component

What is new for P3?

- ❑ First Year of Science Learning

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Ministry of Education
SINGAPORE

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Search, Learn, Explore

EDUCATION | ADMISSIONS | CAREERS | NEWS | ABOUT US

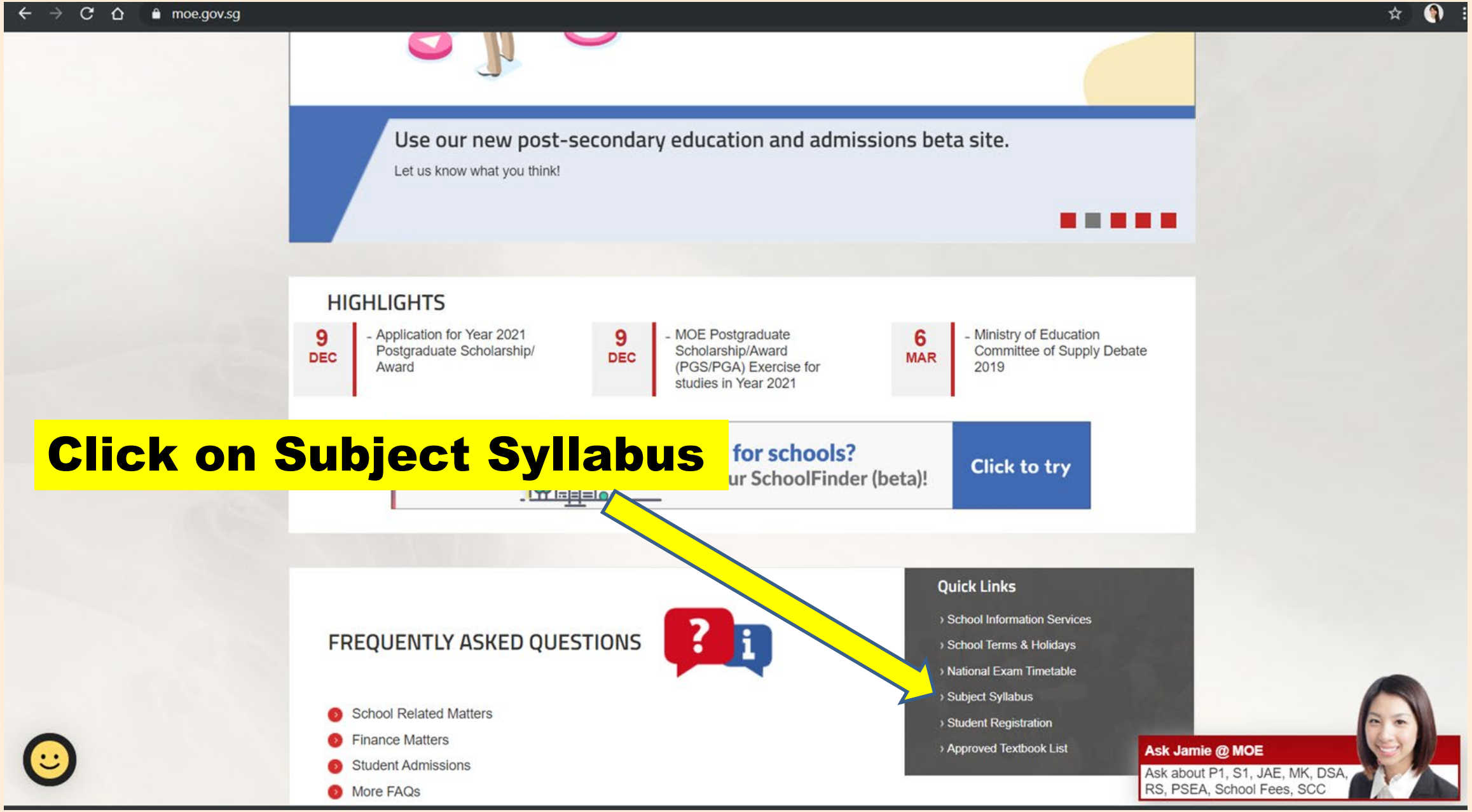
Enhancing the Affordability of Higher Education

From Academic Year 2020, eligible Singaporeans enrolled in MOE-subsidised part-time undergraduate and diploma courses will benefit from enhancements to the Government bursary. This is part of MOE's efforts to enhance the affordability of higher...

Ask Jamie @ MOE

Ask about P1, S1, JAE, MK, DSA, RS, PSEA, School Fees, SCC

Science Curriculu....pdf | Values, Ethics, Atti....png | Science curriculu....png | Show all


moe.gov.sg
Use our new post-secondary education and admissions beta site.
Let us know what you think!
HIGHLIGHTS
9 DEC
- Application for Year 2021 Postgraduate Scholarship/ Award
9 DEC
- MOE Postgraduate Scholarship/Award (PGS/PGA) Exercise for studies in Year 2021
6 MAR
- Ministry of Education Committee of Supply Debate 2019
for schools?
ur SchoolFinder (beta)!
Click to try
Click on Subject Syllabus
FREQUENTLY ASKED QUESTIONS
School Related Matters
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› National Exam Timetable
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› Student Registration
› Approved Textbook List
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moe.gov.sg/education/syllabuses

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Home > Education > Syllabuses

Click on Science

EDUCATION

- Education System
- Pre-School
- Primary
- Secondary
- Special Educational Needs
- Post-Secondary
- Pre-University
- Private Education
- School Programmes
- Syllabuses
  - Arts Education
  - Character & Citizenship Education
  - Humanities

SYLLABUSES

Subject Syllabuses

- Arts Education
- Character & Citizenship Education
- Humanities
- English Language and Lite
- Mother Tongue La
- Physical Educatio
- Sciences
- Approved Textbook List

Examination Syllabuses

- To access the national examination syllabuses, please visit SEAB website.

Back to top

moe.gov.sg/education/syllabuses/sciences/

- Approved Textbook List
- Teaching and Learning Resources
- Edusave
- Post-Secondary Education Account
- Financial Assistance
- School Terms and Important Dates
- National Examinations

- 2020 Mathematics (Express/Normal (Academic)) Syllabuses *(1.15mb.pdf)*
- 2020 Mathematics (Normal (Technical)) Syllabus *(1.35mb .pdf)*
- 2020 Additional Mathematics (Express/Normal (Academic)) Syllabuses *(1.13mb.pdf)*

Pre-University

- 2020 Pre-University H1 Mathematics *(900kb .pdf)*
- 2020 Pre-University H2 Mathematics *(960kb .pdf)*
- 2020 Pre-University H2 Further Mathematics *(856kb .pdf)*
- 2020 Pre-University H3 Mathematics *(916kb .pdf)*

Science

Primary

- 2014 Science (Primary) Syllabus (847kb .pdf)

Secondary

- 2014 Science (Lower and Upper Secondary Normal ical)) Syllabus *(711kb .pdf)*
- 2013 Science (Lower Secondary – Express / Normal (Ac)) Syllabus *(660kb .pdf)*

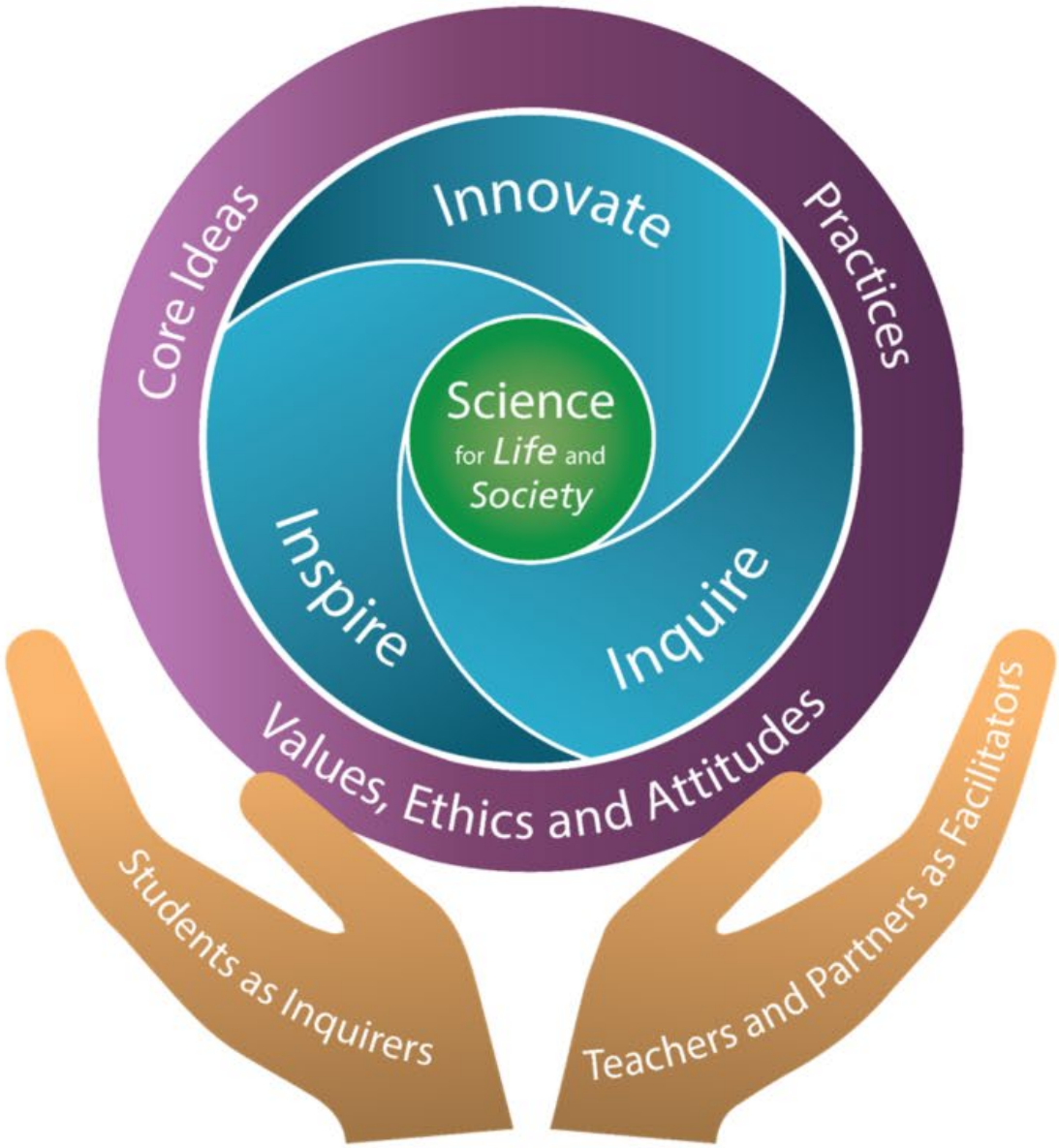
Pre-University

- 2019 Pre-University H2 Biology *(1.1mb .pdf)*
- 2019 Pre-University H2 Chemistry *(2.7mb .pdf)*
- 2019 Pre-University H2 Physics *(1.6mb .pdf)*
- 2018 Pre-University H3 Biology *(897kb .pdf)*
- 2018 Pre-University H3 Chemistry *(1mb .pdf)*
- 2018 Pre-University H3 Physics *(963kb .pdf)*
- 2017 Pre-University H1 Biology *(408kb .pdf)*
- 2017 Pre-University H1 Chemistry *(1175kb .pdf)*
- 2017 Pre-University H1 Physics *(748kb .pdf)*

Click on 2014 Science (Primary) Syllabus

Back to top

Last updated: 02 Jan 2020



Goals
The twin goals of Science education, as represented by the tagline ***Science for Life and Society***, are central to the revised Science Curriculum Framework.

Vision (3 Ins)
Surrounding the innermost circle, the Vision of Science Education 2030 is articulated through the 3 **Ins** – *Inspire*, *Inquire*, *Innovate*.

Three Domains
The outermost layer of the framework shows three domains, *Core Ideas*, *Practices*, and *Values, Ethics and Attitudes*.

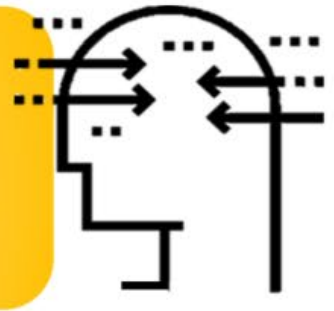
Stakeholders
The pair of hands shows *students as inquirers*, supported by *teachers and partners as facilitators* of the students' learning experiences.

Curiosity

Desiring to explore the environment and question what is found.

Open-mindedness

Accepting all knowledge as tentative and suspending judgment. Tolerance for ambiguity. Willingness to change views if the evidence is convincing.



Creativity

Seeking innovative and relevant ways to solve problems.

Resilience

Not giving up on the pursuit for answers / solutions. Willingness to take risks and embrace failure as part of the learning process.

Integrity

Handling and communicating data and information with honesty.

Responsibility

Showing care and concern for living things and awareness of our responsibility for the quality of the environment.

Objectivity

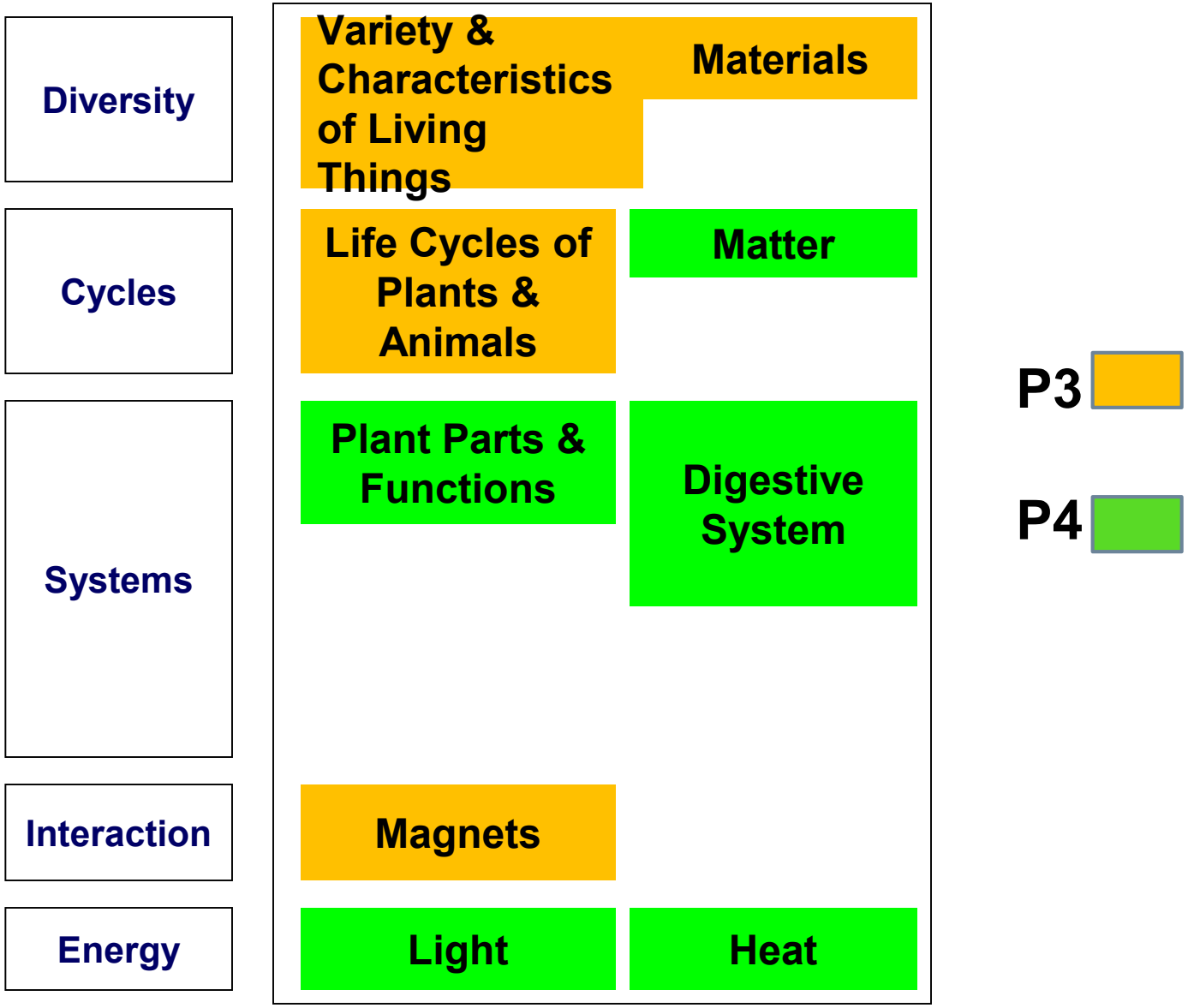
Seeking data and information to validate observations and explanations without bias.

Healthy scepticism

Questioning the observations, methods, processes and data, as well as trying to review one's own ideas.

Contents of Syllabus

Lower Block (P3 and P4)



Contents of Syllabus
- *Skill Coverage*

Skills	Lower Block (P3&P4)
Observation	✓
Comparing	✓
Classifying	✓
Using apparatus and equipment	✓
Communicating (verbal, pictorial)	✓
Communicating (tabular)	✓
Inferring	✓
Predicting	✓
Analysing	✓

Science Programmes

LEVEL	PROGRAMMES
P3	Lessons at Science Centre – Magnets Science eXplore stations Science Support Group Lessons Science Enrichment Lessons

Why **X**plore Science? (P3)

- To provide pupils with opportunities to be ***self-directed*** in exploring the materials at the stations to ***deepen conceptual understanding*** and
- ***practise using process skills such as observation***, ***classification***, etc.
- Help pupils make thinking visible (see-think-wonder)
- Use claim-evidence-reasoning (CER)
- **Build curiosity**

P3 Materials - boat making

P3 Life Cycles game

Learning about magnets

Xplore — Ecogarden P3

Learning about plants

Math Meets Science Week

- Curate meaningful learning experiences to foster seamless connections between Math and Science.

- Promote exploratory learning, critical thinking and problem-solving skills in Math and Science.

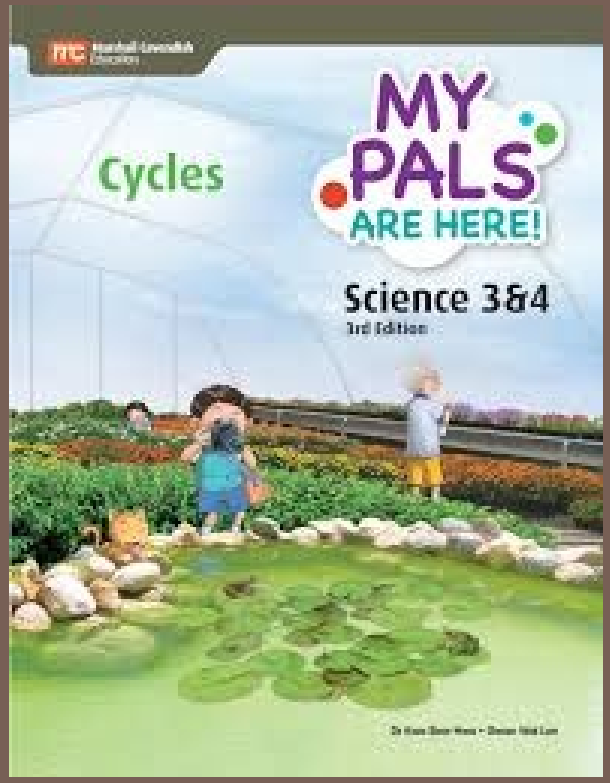
BOOKS RESOURCES

- Themes

- Cycles, Diversity & Interactions

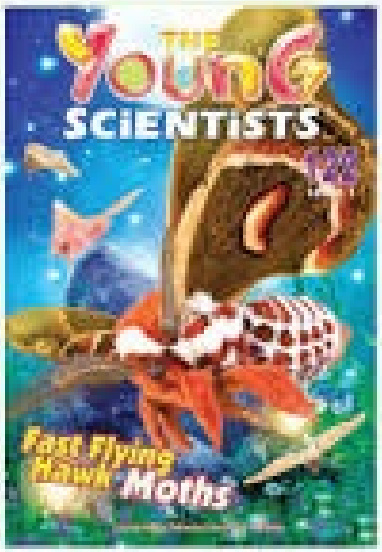
- Textbook & Workbook

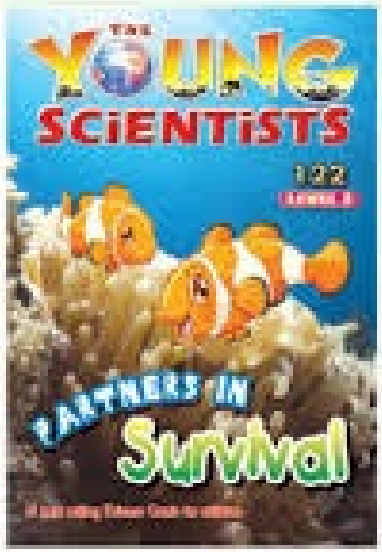
- Science journal and files



Recommended Resources

- Young Scientist Magazines
- National Geographic Kids
- SLS (Online)





Tips to help your child in Science

- ✓ Motivate & Praise
- ✓ Relate real-life situations to Science
- ✓ Ensure your child can spell the key words
- ✓ Ensure your child does his/her homework promptly & accurately
- ✓ Encourage your child to have an inquiring mind by asking questions when in doubt

Help in answering open-ended Question

✓ Use of Claim-Evidence-Reasoning

ESTABLISHED 1932

PRIMARY 3
MATHEMATICS

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:

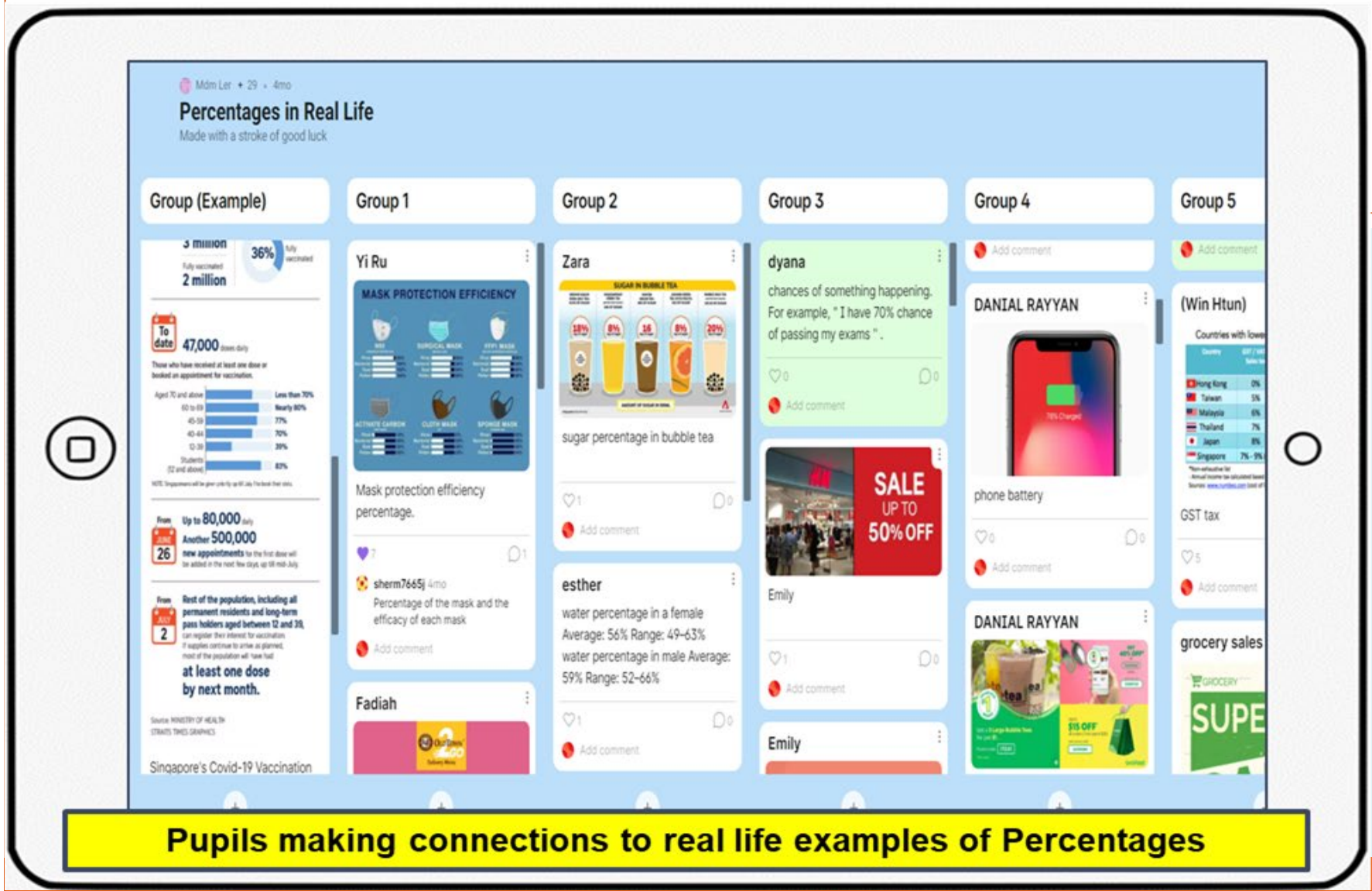
- Develop proficiencies in mathematical skills by having the opportunities to use and practise the skills in real-life contexts.
- Make connections among mathematical ideas and the real-world and see the meaning and relevance of mathematics.

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



Pupils making connections to real life examples of Percentages

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.

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.

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.

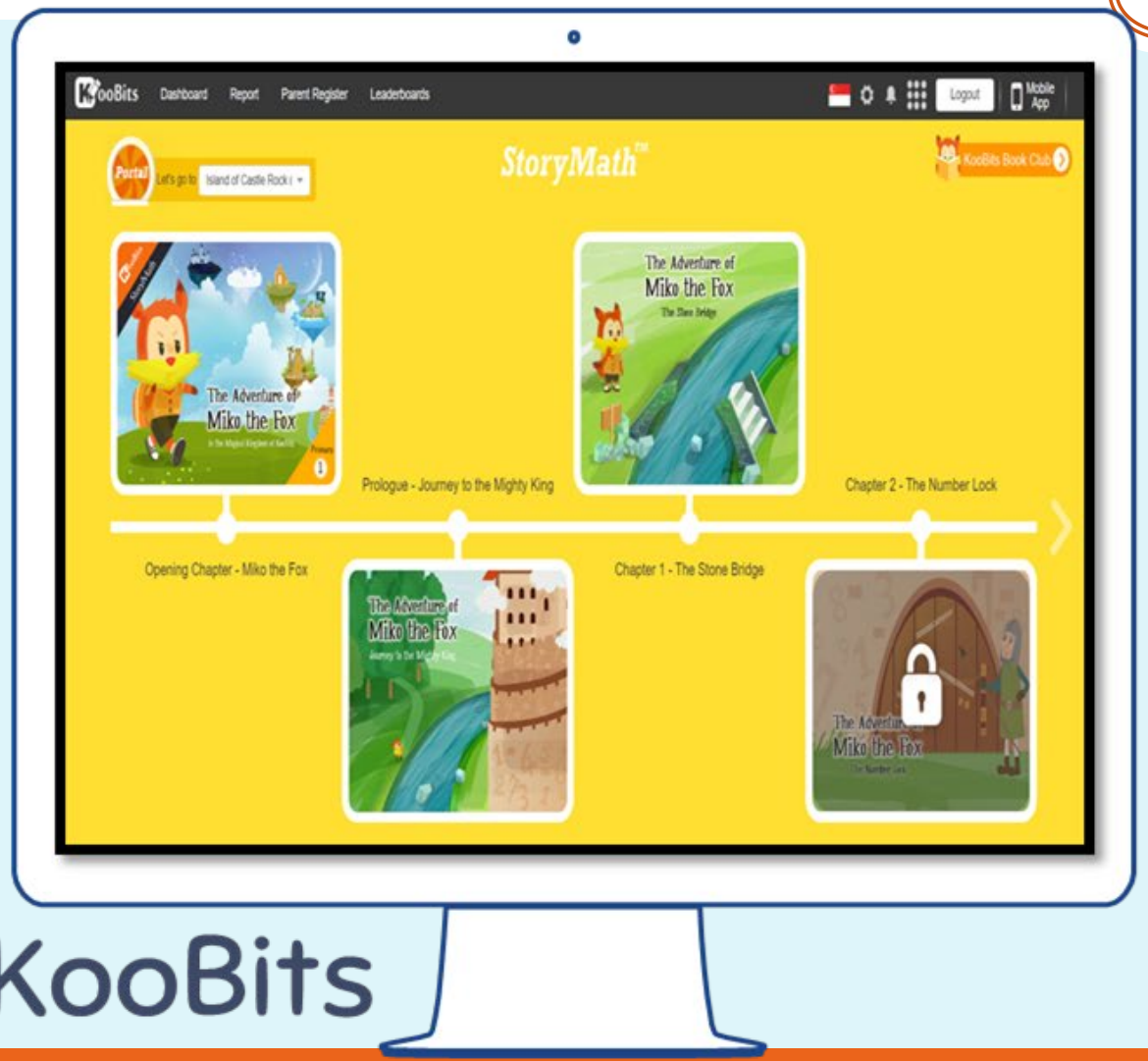
Questions are tailor-made for your child, according to his/her learning ability.

Mastering Math in various forms and in more interesting ways.

Introductory Video: KooBits - Love Learning

Math Learning Resources

- KooBits (Online Platform)



KooBits

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.***

Mathematics

Every pupil who is confident and creative at solving problems

Semester 1	Semester 2
Numbers To 10 000	Time
Addition And Subtraction Within 10 000	Fractions
Multiplication Tables Of 6, 7, 8 And 9	Angles
Multiplication And Division	Perpendicular Lines And Parallel Lines
Money	Perimeter And Area
Length, Mass And Volume	Bar Graphs

Assessment Item Types

Multiple-choice Question

- For each question, four options are provided of which only one is the correct answer. A candidate has to choose one of the options as his/her correct answer.

Short-answer Question

- For each question, a candidate has to write his/her answer in the space provided. Any unit required in an answer is provided and a candidate has to give his/her answer in that unit.

Structured / Long-answer Question

- For each question, a candidate has to show his/her method of solution (working steps) clearly and write his/her answer(s) in the space(s) provided.

For More Information..

- Subject syllabus (MOE Website)
  - http://www.moe.gov.sg/education/syllabuses/
- Examination syllabus (SEAB website)
  - http://www.seab.gov.sg

Thank you