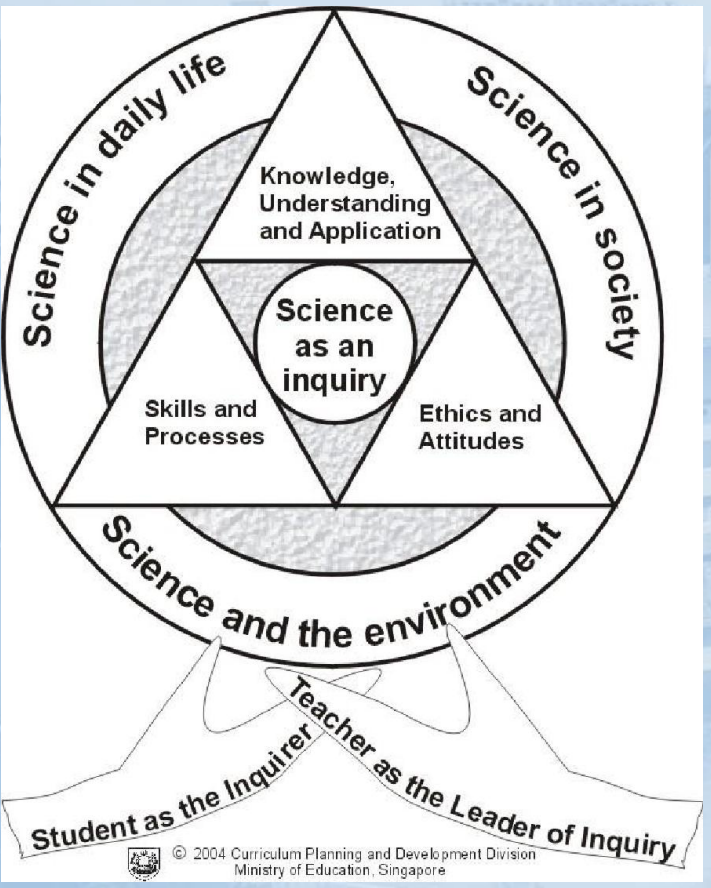
Parents Engagement Science

Primary 4

Overview

- Science Curriculum
- Assessment Plan
- Science Learning
- Home Support

Science Curriculum



- The Science curriculum seeks to nurture the student as an inquirer.
- Incorporate Inquiry Based Approach
- Seek balance between content knowledge and application to real world

Knowledge, Understanding and Application	Skills and Processes	Ethics and Attitudes
· Scientific phenomena, facts, concepts and principles · Scientific vocabulary, terminology and conventions · Scientific instruments and apparatus including techniques and aspects of safety · Scientific and technological applications	Skills · Observing · Comparing · Classifying · Using apparatus and equipment · Communicating · Inferring · Formulating hypothesis · Predicting · Analysing · Generating possibilities · Evaluating Processes · Creative problem solving · Decision-making · Investigation	· Curiosity · Creativity · Integrity · Objectivity · Open-mindedness · Perseverance · Responsibility

Science Syllabus (2023)

Levels	P3	P4	P5	P6
Themes	**Diversity . Cycles . Systems . Interactions . Energy**			
Topics	• Diversity of living and non-living things (General characteristics and classification • Diversity of materials • Cycles in plants and animals (Life cycles) • Interaction of forces (Magnets)	• Cycles in matter and water (Matter) • Human system (Digestive system) • Plant system (Plant parts and functions) • Energy forms and uses (Light) • Energy forms and uses (Heat)	• Cycles in matter and water (Water) • Cycles in plants and animals (Reproduction) • Plant system (Respiratory and circulatory systems) • Human system (Respiratory and circulatory systems) • Electrical system	• Energy forms and uses (Photosynthesis) • Energy conversion • Interaction of forces (Frictional force, gravitational force, elastic spring force) • Interactions within the environment

Assessment Plan

Yuhua Primary School
Primary 4 Science Assessment Plan 2026
(Aligned with 2023 Syllabus)

Assessment	Term 1	Term 2	Term 3	Term 4
Formative Assessment (Non-weighted)	**Science Project (Light and Shadows)** **Topical Review** - Matter - Light	**Science Project (Light and Shadows)** **Topical Review** - Shadows - Heat	**Topical Review** - Effects of Heat - Plant System	**Topical Review** - Human System
Summative Assessment (Weighted) **Total: 100%**		**Term 2 Review Test** Term 2 Week 7 (4 – 8 May) (30 marks, 40 min) Written Assessment: Multiple Choice and Structured Questions **<u>Topics to be assessed</u>** - P3 Properties of Magnets - P3 Making and Using Magnets - P3 Diversity of materials - P4 Matter - P4 Light - P4 Shadows	**Term 3 Review Test** Term 3 Week 7- 8 (14 – 20 Aug) (30 marks, 40 min) Written / Practical Assessment: May include video stimulus, specimen-based questions **<u>Topics to be assessed</u>** - P3 Diversity of Living and non-living things - P3 Classification of living things - P4 Heat - P4 Effects of Heat - P4 Matter - P4 Light - P4 Shadows	**End-of-Year Exam** Term 4 Week 7 ***(26 Oct)*** (100 marks, 1h 45 min) Written Assessment: Multiple Choice and Structured Questions **<u>Topics to be assessed</u>** - All the topics covered in P3 and P4
		15%	15%	70%

Science Learning

P4s in action!

Learning about how matter has mass and occupy space through hands - on activities!

Home Support

Strategy 1

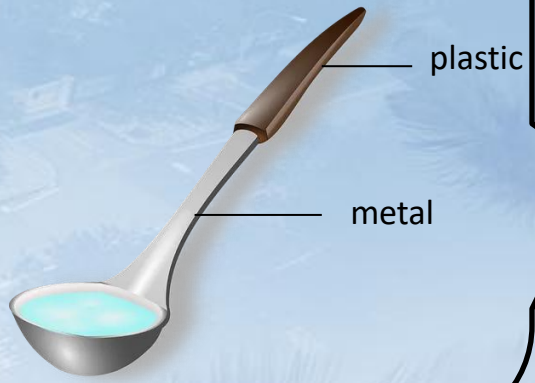
Relate Science concepts to applications in daily life

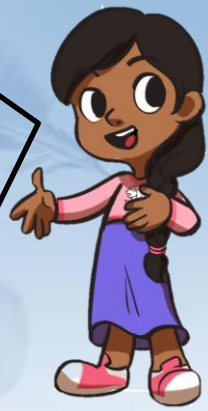
What are some examples of heat flow in our everyday life?

Heat flows through the metal pot quickly to cook our food.

Some objects are made of both good and poor conductors of heat, such as the soup ladle.

I can hold the plastic handle safely when getting my hot soup.





Home Support

Strategy 2

Break down the question with your child.

- Search for clues or hints
- Ask questions instead of providing them the answers
- Get them to predict and explain the results.

b) Kim decided to cut the ball of plasticine into two. She then put them back into the same beaker of water again.

What is the reading in the beaker now? Explain your answer.

Make use of CER to help you write your answer!	
Claim:	*What is the reading?*
Evidence:	*What information can you get from the question to support your claim?*
Reasoning:	*What facts or concepts can help you to explain your claim?*

Example of a Matter question and the CER answering strategy

Home Support

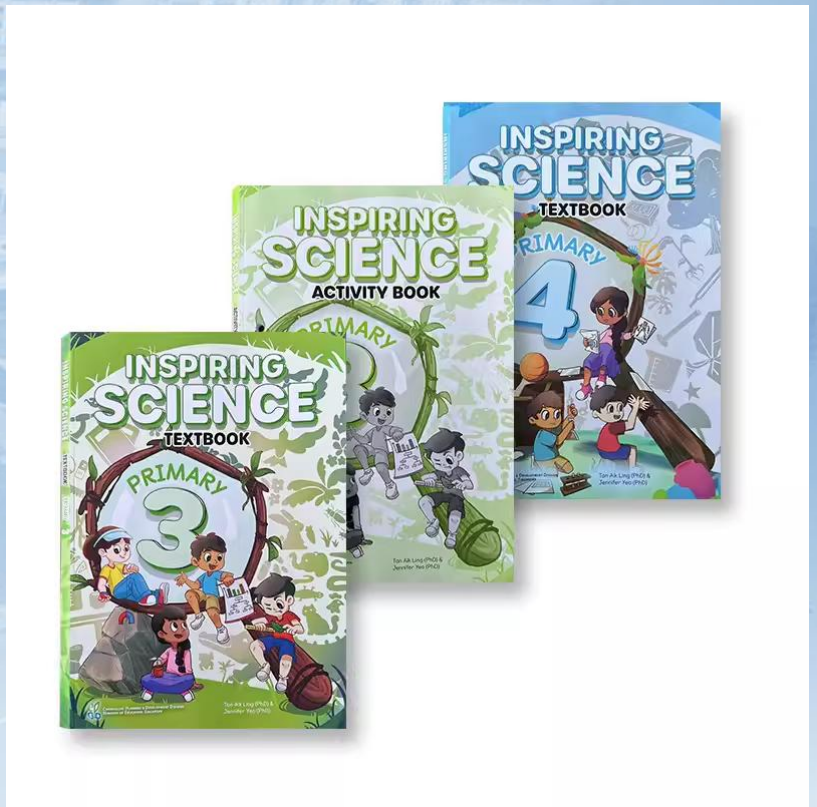
Other suggestions to support your child at home:

- **Target setting** (Setting reasonable targets)
- **Revision schedule** (Planning a revision timetable)
- **Expanding Science vocabulary & general knowledge** (SLS, Science Magazines)
- **Consistent Effort** (Homework monitoring, Understanding corrections, Asking questions)

Past year Textbooks and Resources

- Keep all previous years Science textbook, workbook and worksheets until P6.

- P4 SBB EYE include all P3&4 topics and PSLE includes all topics from P3-6.



Thank You