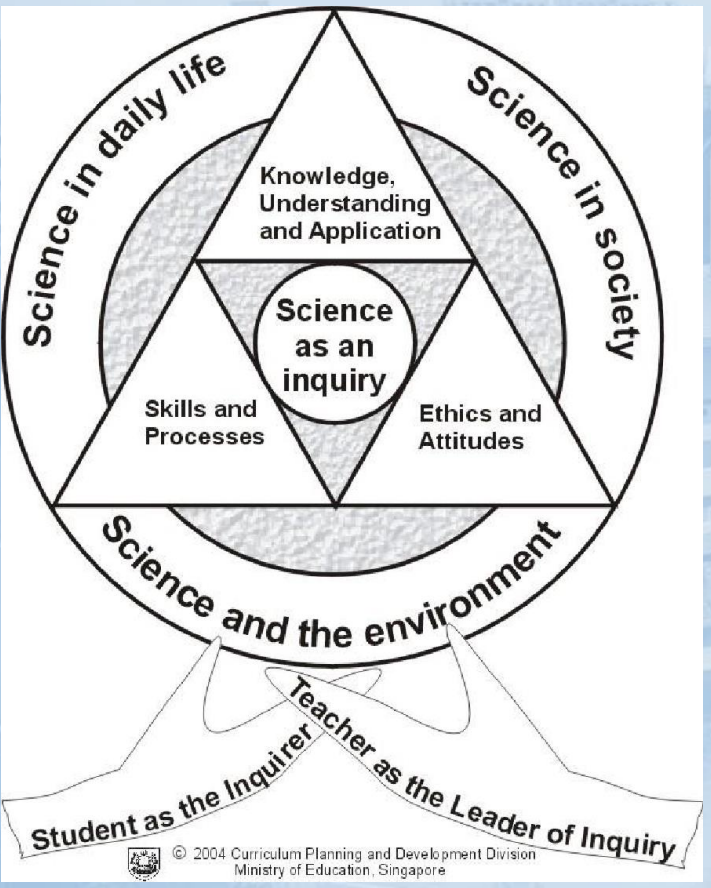
Parents Engagement Science

Primary 5

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 (Standard Science)

Yuhua Primary School
Primary 5 Science Assessment Plan 2026
(Aligned with 2023 Syllabus)

Assessment	Term 1	Term 2	Term 3	Term 4
Formative Assessment (Non-weighted)	**Topical Review** - Cycles in Water - Reproduction in Animals and Plants	**Topical Review** - Plant Transport System - The Human Respiratory and Circulatory Systems	**Topical Review** - The Human Respiratory and Circulatory Systems - Electrical Systems - Simple Series and Parallel Electric Circuits	
Summative Assessment (Weighted) **Total: 100%**		**Term 2 Review Test** Term 2 Week 7 (4 – 8 May) (40 marks, 45 min) Written Assessment: Multiple Choice and Structured Questions **Topics to be assessed** - P4 Matter - P4 Heat - P4 Effects of Heat - P4 Light - P4 Shadows - P5 Cycles in Water - P5 Reproduction in Animals and Plants	**Term 3 Review Test** Term 3 Week 7- 8 (14 – 20 Aug) (40 marks, 45 min) Written / Practical Assessment: May include video stimulus, specimen-based questions. **Topics to be assessed** - P4 Heat - P4 Effects of Heat - P4 Light - P4 Shadows - P5 Cycles in Water - P5 Reproduction in Animals and Plants - P5 Plant Transport System - P5 The Human Respiratory and Circulatory Systems	**End-of-Year Exam** Term 4 Week 7 ***(26 Oct)*** (100 marks, 1 h 45 min) Written Assessment: Multiple Choice and Structured Questions **Topics to be assessed** - All topics covered in P5. - P4 Matter - P4 Heat - P4 Effects of Heat - P4 Light - P4 Shadows
		15%	15%	70%

Assessment Plan (Foundation Science)

Yuhua Primary School
Primary 5 Foundation Science Assessment Plan 2026
(Aligned with 2023 Syllabus)

Assessment	Term 1	Term 2	Term 3	Term 4
Formative Assessment (Non-weighted)	**Topical Review** - Cycles in Water - Reproduction in Animals and Plants	**Topical Review** - Plant Transport System - The Human Respiratory and Circulatory Systems	**Topical Review** - The Human Respiratory and Circulatory Systems - Electrical Systems - Simple Series Electric Circuits	
Summative Assessment (Weighted) **Total: 100%**		**Term 2 Review Test** Term 2 Week 7 (4 – 8 May) (40 marks, 45 min) Written Assessment: Multiple Choice, Short Response and Structured Questions **Topics to be assessed** - P4 Matter - P4 Heat - P4 Effects of Heat - P4 Light - P4 Shadows - P5 Cycles in Water - P5 Reproduction in Animals and Plants	**Term 3 Review Test** Term 3 Week 7- 8 (14 – 20 Aug) (40 marks, 45 min) Written / Practical Assessment: May include video stimulus, specimen-based questions. **Topics to be assessed** - P4 Heat - P4 Effects of Heat - P4 Light - P4 Shadows - P5 Cycles in Water - P5 Reproduction in Animals and Plants - P5 Plant Transport System - P5 The Human Respiratory and Circulatory Systems	**End-of-Year Exam** Term 4 Week 7 ***(26 Oct)*** (70 marks, 1h 15 min) Written Assessment: Multiple Choice, Short Response and Structured Questions **Topics to be assessed** - All topics covered in P5. - P4 Matter - P4 Heat - P4 Effects of Heat - P4 Light - P4 Shadows
		15%	15%	70%

Science Learning

P5 students conducting a fair test to find out if wind affects the rate of evaporation.

Weighing the paper towels to get the evidence that wind does increase the rate of evaporation.

Home Support

Strategy 1
Relate Science concepts to applications in daily life

How is water used in our daily lives? What role does water play in our life processes?

How do electric circuits work? What do you observe in household circuits when a light bulb is fused?

Home Support

Strategy 2
Posing questions to help your child in revision and critical thinking

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?*

More examples:

- What are the similarities and differences between these two examples?
- What are the relationships between *A* and *B*?
- What patterns do you see in the graph?

Home Support

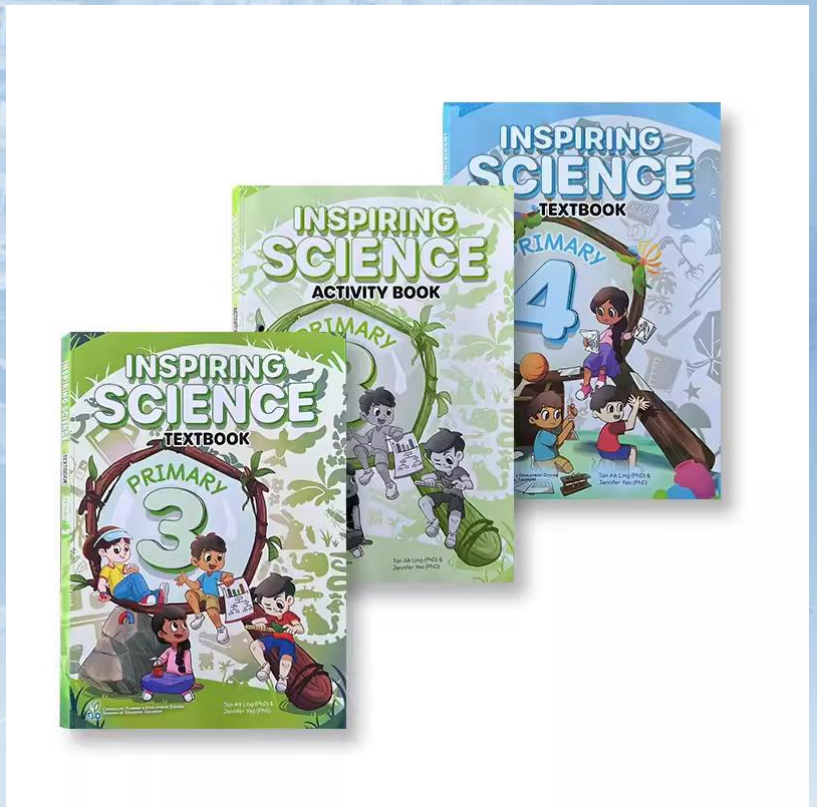
Other suggestions to support your child at home:

- **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.

- P5 EYE include previous years' topics and PSLE includes all topics from P3-6.



Thank You