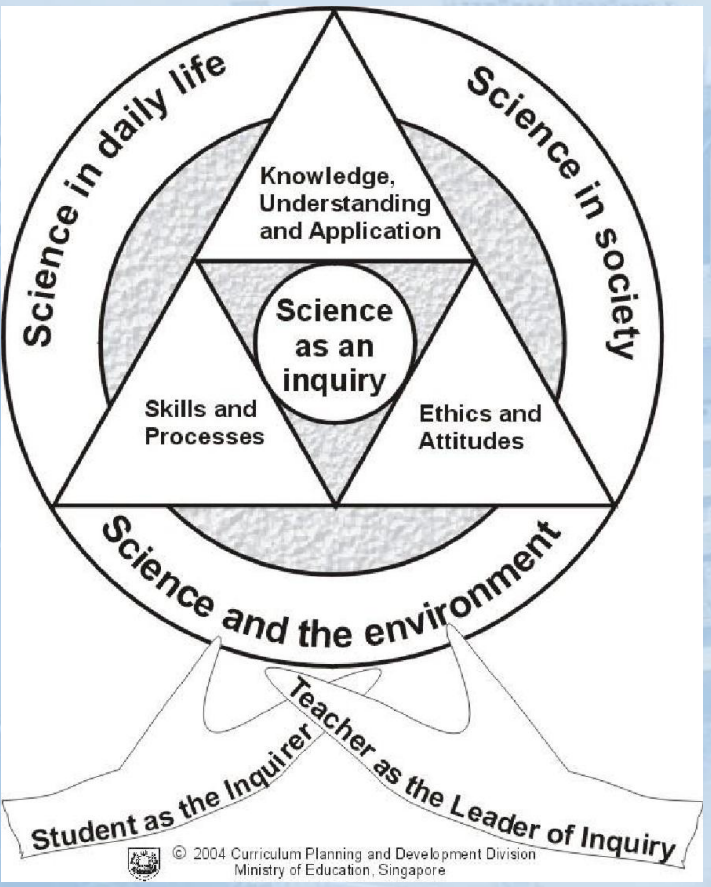
Parents Engagement Science

Primary 6

Overview

- Science Curriculum
- PSLE Format and School-based assessments
- Learning of Science
- 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

Science Curriculum

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

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)	• Plant system (Plant parts and functions) • Human system (Digestive system) • Cycles in matter and water (Matter) • Energy forms and uses (Light) • Energy forms and uses (Heat)	• Cycles in plants and animals (Reproduction) • Cycles in matter and water (Water) • 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

Topics which are underlined are not required for students taking Foundation Science.

Standard Science PSLE Format

Format of Paper

The examination consists of one written paper comprising two booklets, Booklet A and Booklet B.

Table 1

Booklet	Item Type	Number of questions	Number of marks per question	Marks
A	Multiple-choice	30	2	60
B	Structured	10–11	2–5	40

(a) Booklet A consists of 30 multiple-choice questions with four options. Each multiple-choice question carries 2 marks.

(b) Booklet B consists of 10–11 structured questions. Each structured question carries 2, 3, 4 or 5 marks.

Candidates are required to answer all the questions in the two booklets.

Duration of Paper

The duration of the paper is 1 hour 45 minutes.

Foundation Science PSLE Format

Format of Paper

The examination consists of one written paper comprising two booklets, Booklet A and Booklet B.

Table 1

Booklet	Item Type	Number of questions	Number of marks per question	Marks
A	Multiple-choice	20	2	40
B	Short response and Structured	9–11	2–4	30

(a) Booklet A consists of 20 multiple-choice questions with *three* options. Each multiple-choice question carries 2 marks.

(b) Booklet B consists of 9–11 short response and structured questions. Short response items, e.g. 'Fill in the blanks', 'Matching', etc will carry about 10 marks and may be part of a structured question.

Candidates are required to answer all the questions in the two booklets.

Duration of Paper

The duration of the paper is 1 hour 15 minutes.

School-based Assessments

Assessment Plan (Standard Science)

Yuhua Primary School
Primary 6 Science Assessment Plan 2026
(Aligned with 2023 Syllabus)

Assessment	Term 1	Term 2	Term 3	Term 4
Formative Assessment (Non-weighted)	**Topical Review** - Photosynthesis - Energy Conversion - Interaction of Forces	**Topical Review** - Interaction of Forces - Interactions within the Environment - Surviving in the Environment	**Topical Review** - Interactions within the Environment - Surviving in the Environment	
Summative Assessment (Weighted) **Total : 100%**	**Term 1 Review Test** Term 1 Week 8 (23 – 27 Feb) (40 marks, 45 min) Written Assessment: Multiple Choice and Structured Questions **Topics to be assessed** - P6 Photosynthesis - P5 Cycles in Water - P5 Plant Transport System - P5 The Human Respiratory and Circulatory Systems - P5 Electrical System - P5 Simple Series and Parallel Electric Circuits	**Term 2 Review Test** Term 2 Week 7 (4 – 8 May) (100 marks, 1 h 45 min) Written Assessment: Multiple Choice and Structured Questions **Topics to be assessed** - All topics covered in PSLE syllabus except P6 Interactions within the Environment and P6 Surviving in the Environment	**Preliminary Exam** Term 3 Week 8 ***(19 Aug)*** (100 marks, 1 h 45 min) Written Assessment: Multiple Choice and Structured Questions **Topics to be assessed** - All topics covered in PSLE syllabus	PSLE Written Examinations (More details to be shared at a later date)
	15%	15%	70%	

Assessment Plan (Foundation Science)

Yuhua Primary School
Primary 6 Foundation Science Assessment Plan 2026
(Aligned with 2023 Syllabus)

Assessment	Term 1	Term 2	Term 3	Term 4
Formative Assessment (Non-weighted)	**Topical Review** - Photosynthesis - Interaction of Forces	**Topical Review** - Interaction of Forces - Interactions within the Environment - Surviving in the Environment	**Topical Review** - Interactions within the Environment - Surviving in the Environment	
Summative Assessment (Weighted) **Total: 100%**	**Term 1 Review Test** Term 1 Week 8 (23 – 27 Feb) (40 marks, 45 min) Written Assessment: Multiple Choice, Short Response and Structured Questions **Topics to be assessed** - P6 Photosynthesis - P5 Cycles in Water - P5 Plant Transport System - P5 The Human Respiratory and Circulatory Systems - P5 Electrical System - P5 Simple Series Electric Circuits	**Term 2 Review Test** Term 2 Week 7 (4 – 8 May) (70 marks, 1 h 15 min) Written Assessment: Multiple Choice, Short Response and Structured Questions **Topics to be assessed** - All topics covered in PSLE syllabus except P6 Interactions within the Environment and P6 Surviving in the Environment	**Preliminary Exam** Term 3 Week 8 ***(19 Aug)*** (70 marks, 1 h 15 min) Written Assessment: Multiple Choice, Short Response and Structured Questions **Topics to be assessed** - All topics covered in PSLE syllabus	PSLE Written Examinations (More details to be shared at a later date)
	15%	15%	70%	

Learning of Science

Exploring and applying concepts in investigations and observing test results

Home Support

Strategy 1
Relate Science concepts to applications in daily life

What is the energy conversion that takes place when a pot of soup is being boiled?

How can we identify if there is starch found in the food in the pot?

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

Examples of questions you can pose:

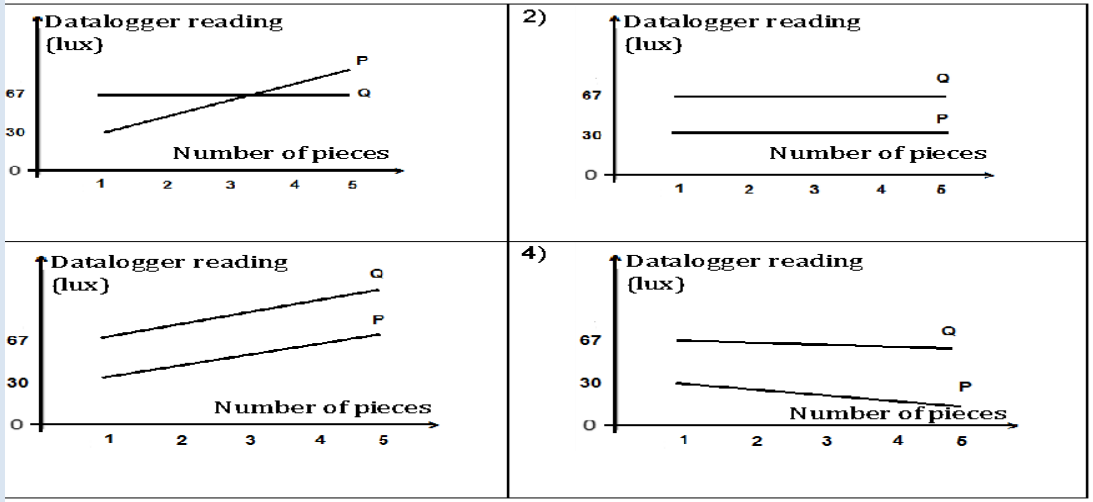
- Describe how and why the experiment set up this way?
- What does the data in the table show?
- What does each graph tell you? What are the relationships between….and….?
- How does it link up to what you have learnt about light?

1. Christine used a datalogger to measure the amount of light passing through materials **P** and **Q** as shown below.

The table below shows the readings on the datalogger when **one piece** of each material was used.

	Reading
No material	68
One piece of P only	30
One piece of Q only	67

She then continued the experiment by adding more pieces of each material until there were **5 pieces** each. Which of the following graphs show the **correct** readings?



Home Support

Other suggestions to support your child at home:

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

Textbooks and Resources

1. Keep all previous years' Science textbooks, workbooks and worksheets until P6. Like other subjects, Science curriculum follows the spiral learning too.

2. Science teachers will revise previous years' topics and include past year revision questions in our Termly revision.

3. In cases where you do not have previous years' textbooks, you may get guidebooks from other publishers, access SLS MOE library or get in touch with your class' Science teachers to see how we can help your child.

Thank you for teaming up with us for our children's growth and success.