




# Subject Sharing for Primary 5 and Primary 6 Parents

6 February 2025

Follow us on Instagram!





We will be starting the session shortly.

1

## Content




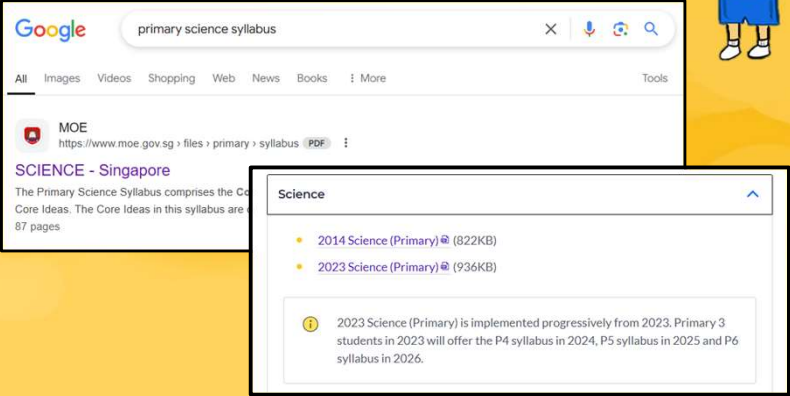

- P5/6 syllabus
- Assessment format
- Learning Science in Rivervale
- Science Programmes



2

# MOE SCIENCE SYLLABUS

Where to get a copy of the Science (Primary) syllabus?



**SCAN ME**

MOE  
https://www.moe.gov.sg/files/primary/syllabus (PDF)

**SCIENCE - Singapore**  
The Primary Science Syllabus comprises the Core Ideas. The Core Ideas in this syllabus are 87 pages.




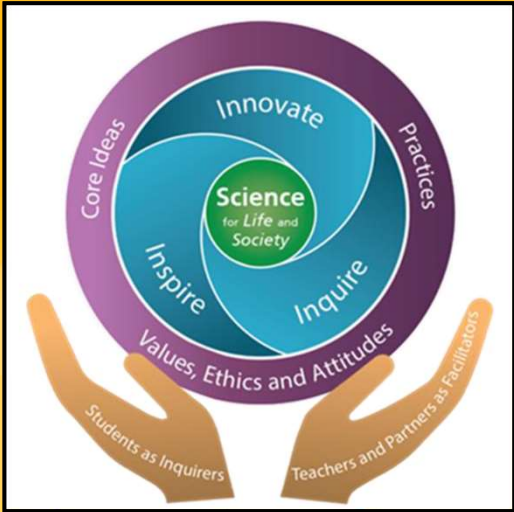
**Science**

- 2014 Science (Primary) (822KB)
- 2023 Science (Primary) (936KB)

2023 Science (Primary) is implemented progressively from 2023. Primary 3 students in 2023 will offer the P4 syllabus in 2024, P5 syllabus in 2025 and P6 syllabus in 2026.

3

# Science Curriculum Framework



**Science for Life and Society**

**Core Ideas**  
Innovate  
Inspire  
Inquire

**Practices**

**Values, Ethics and Attitudes**

**Students as Inquirers**  
**Teachers and Partners as Facilitators**

4

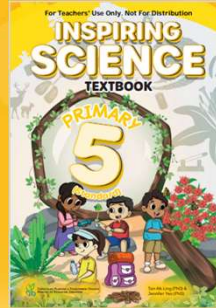
# Primary 5 Syllabus

## • Cycles

1. Reproduction in Animals and Plants
2. Cycles in Water

## • Systems

3. Plant Transport System
4. The Human Respiratory & Circulatory System
5. Electrical Systems
6. Simple Series & Parallel Electric Circuits



5

# Primary 5 Syllabus: Content Change

( -- ) Removal of Cell System as a topic

( + ) Introduce concept of cell as basic unit of life  
under Cycles in Plants and Animals (Reproduction)

( + ) Theme of Energy will be taught in P6 (new syllabus)

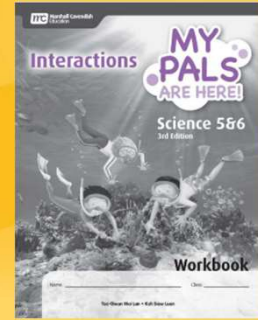


6

## Primary 6 Syllabus

### • Interactions

1. Forces
2. Living Together
3. Food chains and Food Webs
4. Adaptations
5. Man's Impact on his environment



7

## Content

- P5/6 syllabus
- Assessment format
- Learning Science in Rivervale
- Science Programmes



8



## SCIENCE ASSESSMENT OVERVIEW

	Term 1	Term 2	Term 3	Term 4
All Levels	Formative Assessment			
Primary 5	Weighted Assessment			End of Year Examination 60%
	10% (MCQ & OE Qns)	15% (MCQ & OE Qns)	15% (MCQ & OE Qns)	
Primary 6	Weighted Assessment		Prelim Exam	PSLE
	100% (MCQ & OE Qns)	100% (MCQ & OE Qns)	100% (MCQ & OE Qns)	

9

## P6 Foundation Science PRELIMS / PSLE Format

Booklet	No. of Questions	Marks
A Multiple Choice	18	36
B Structured	6 – 7	14
C Open-ended	5 - 6	20

Duration : 1 h 15 min



10

## P6 Standard Science PRELIMS / PSLE Format

Booklet	No. of Questions	Marks
A Multiple Choice Questions	28	56
B Open-ended Questions	12 - 13	44



Duration : 1 h 45 min

11

## P5 End Year Examination Format

Booklet	No. of Questions	Marks
A Multiple Choice Questions	<b>30</b> (2 marks)	<b>60</b>
B Open-ended Questions	10 – 11 (2-5 marks)	40



Duration : 1 h 45 min

12

## Content

- P5/6 syllabus
- Assessment format
- Learning Science in Rivervale
- Science Programmes



13

## Learning Science in Rivervale

- 3C Pedagogical Framework
- Answering technique – MCQ
- Answering technique – Open-ended Questions



14

# Learning Science in Rivervale



1. Capture ideas and interest
2. Construct understanding
3. Consolidate learning



15

# Steps to Answering MCQ Questions

1. Identify and highlight key information
2. Recall Concepts and Scientific Vocabulary
  - Activate prior knowledge
3. Elimination Method (eliminate options)



16



# Example – Diversity of Living Things

Examples of characteristics:  
 Types of body covering  
 How do they reproduce?  
 Lay eggs or give birth to young  
 Do they have wings?

38 Ahmad had to classify the four animals shown.

bat frog grasshopper chicken

He classified them with the help of the chart below.

```

    graph TD
      A[bat, frog, grasshopper, chicken] --> Q1{Question A}
      Q1 -- No --> B[frog]
      Q1 -- Yes --> C[bat, grasshopper, chicken]
      C --> Q2{Question B}
      Q2 -- No --> D[bat]
      Q2 -- Yes --> E[grasshopper, chicken]
    
```

Can be classified into different groups of animals

Different characteristics

Ans : 1

What were the two questions, A and B?

	Question A	Question B
(1)	Do they have wings? ✓	Do they lay eggs? ✓
X (2)	Do they lay eggs? X	Do they have wings? X
X (3)	Do they have wings? ✓	Do they take care of their young? X
X (4)	Do they lay eggs? X	Do they take care of their young? X

17

# Steps to Answering some OE Questions

1. Identify and highlight key information
2. Identify Concepts and Scientific Vocabulary
  - Activate prior knowledge
3. OIC (To make sense of the question)

18

## Answering techniques (OIC)

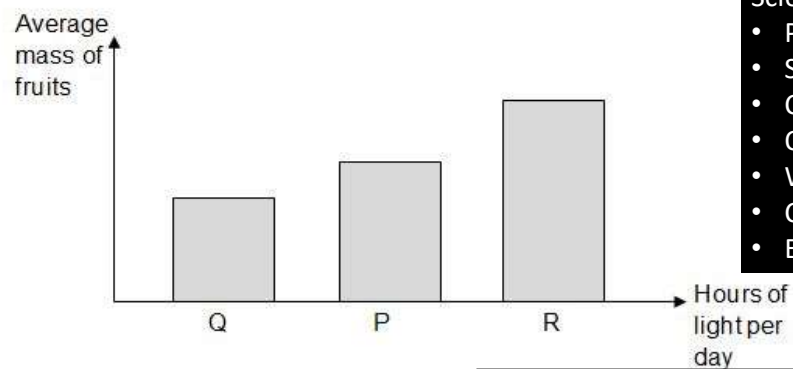
- **Observation** – What we can observe from the question.
- **Interpretation** – What does the observation imply or mean.
- **Conclusion** – Link answer to the question setting / concept in the question.



19

## Example

Kor Pin exposed three similar plants, P, Q and R, to different duration of light each day and measured the average mass of the fruits on the plants after a week. The plants were placed in similar pots with similar types and amount of soil. He plotted the results in a graph as shown below.



Scientific vocabulary:

- Photosynthesis
- Sunlight
- Chlorophyll
- Oxygen gas
- Water
- Carbon dioxide
- Excess food

**Concept: Photosynthesis, excess food stored as starch**

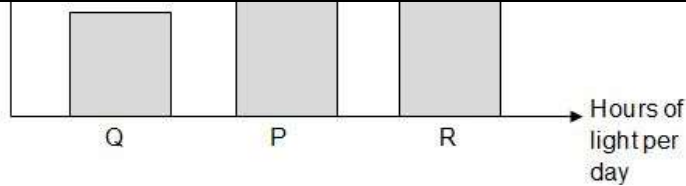


20

# Example

Average mass of fruits

- OIC:
- O : Plant Q, P and R are exposed to different amounts of light.
  - I : Light is needed for photosynthesis. The rate of photosynthesis is different. Excess food created is stored in fruits.
  - C: When there is more light, there is more photosynthesis. Hence, there is more food produced. This leads to more excess food created which is stored in the fruits.



(b) Give an **explanation** for the results obtained in the experiment [1]

When there is more light, there is more photosynthesis taking place and more excess food is transported to the fruits causing the mass to increase.

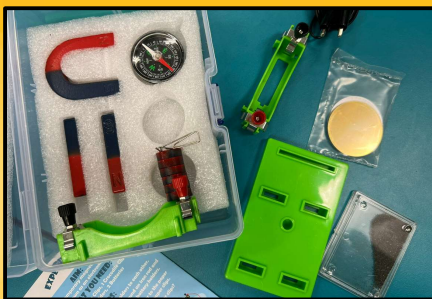


School of Excellence, Individuals of Character

# Learning Science in Rivervale



Science Lab



Sparkle Kit



# Learning Science in Rivervale

- ICT-infused lessons

The screenshot shows a Nearpod lesson titled "P5 Electrical System - Drawing Circuit Diagram". The interface includes a navigation bar with "SLS" and "MY DRIVE" tabs. The main content area displays the lesson title and a learning objective: "We are learning to draw a circuit using symbols". Below this, there is a paragraph explaining the importance of electricity and a list of questions to think about:

- What circuit components are needed for a bulb to light up?
- How should the circuit components be arranged?
- Which symbols represent the electrical components in a circuit diagram?

On the right side, there is a "My Lessons" section with three lesson cards: "The Water Cycle P5", "The Unit of Life P5", and "Plant Transport System P5". Each card shows a thumbnail image related to the lesson.

23

## Content

- P5/6 syllabus
- Assessment format
- Learning Science in Rivervale
- Science Programmes



24



## Science programmes

- P5/P6 Science Alive at Fun Alley
- P5 Vertical Garden Hydroponics programme
- P6 Physics Camp
- P6 Learning Journey to Science Centre



25

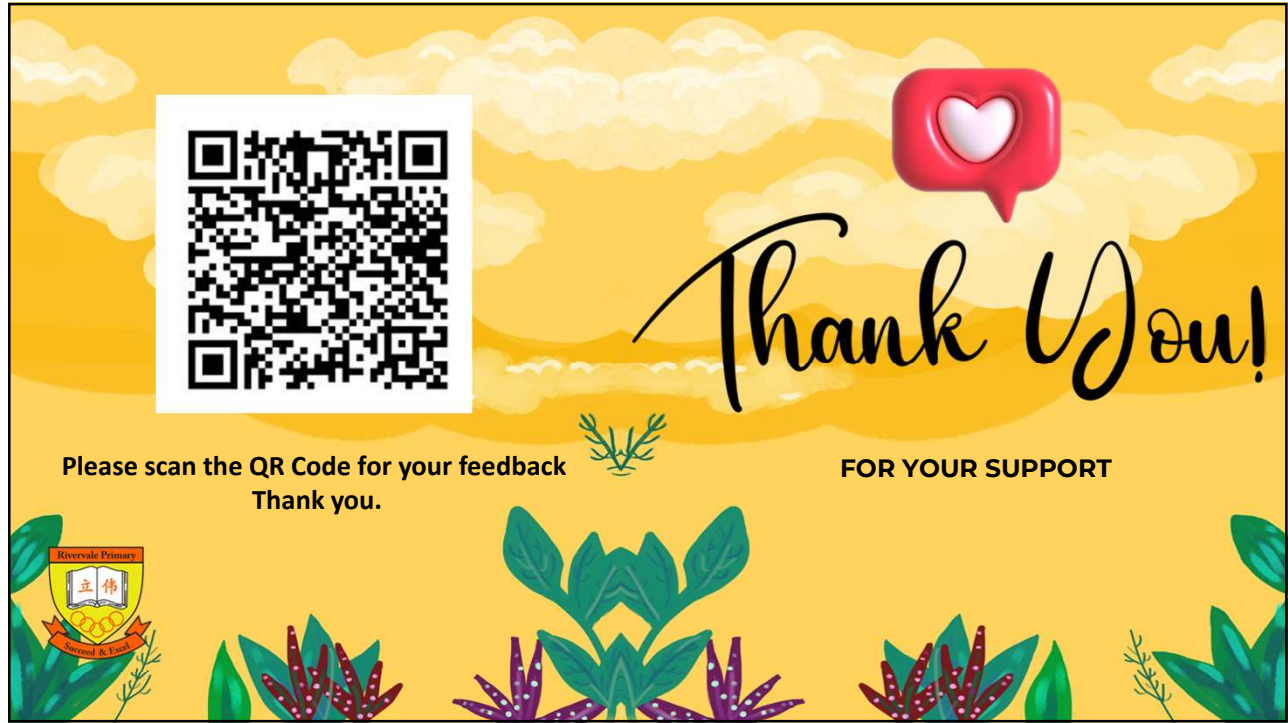
## School Science Website

- <https://rivervalescience.wixsite.com/2020>



26





The graphic features a bright yellow background with soft, white clouds. In the upper left, a large QR code is presented within a white square frame. To its right, a red speech bubble icon with a white heart inside is positioned above the text "Thank You!" which is written in a large, elegant, black cursive font. Below the QR code, the text "Please scan the QR Code for your feedback Thank you." is written in a simple black font. To the right of this text, a small green sprig of leaves is centered above the words "FOR YOUR SUPPORT" in a bold, black, sans-serif font. In the bottom left corner, the Rivervale Primary school logo is displayed, featuring a shield with the Chinese characters "立偉" and the motto "Succeed & Excel" on a banner below. The bottom of the graphic is decorated with various green and purple plants and flowers.