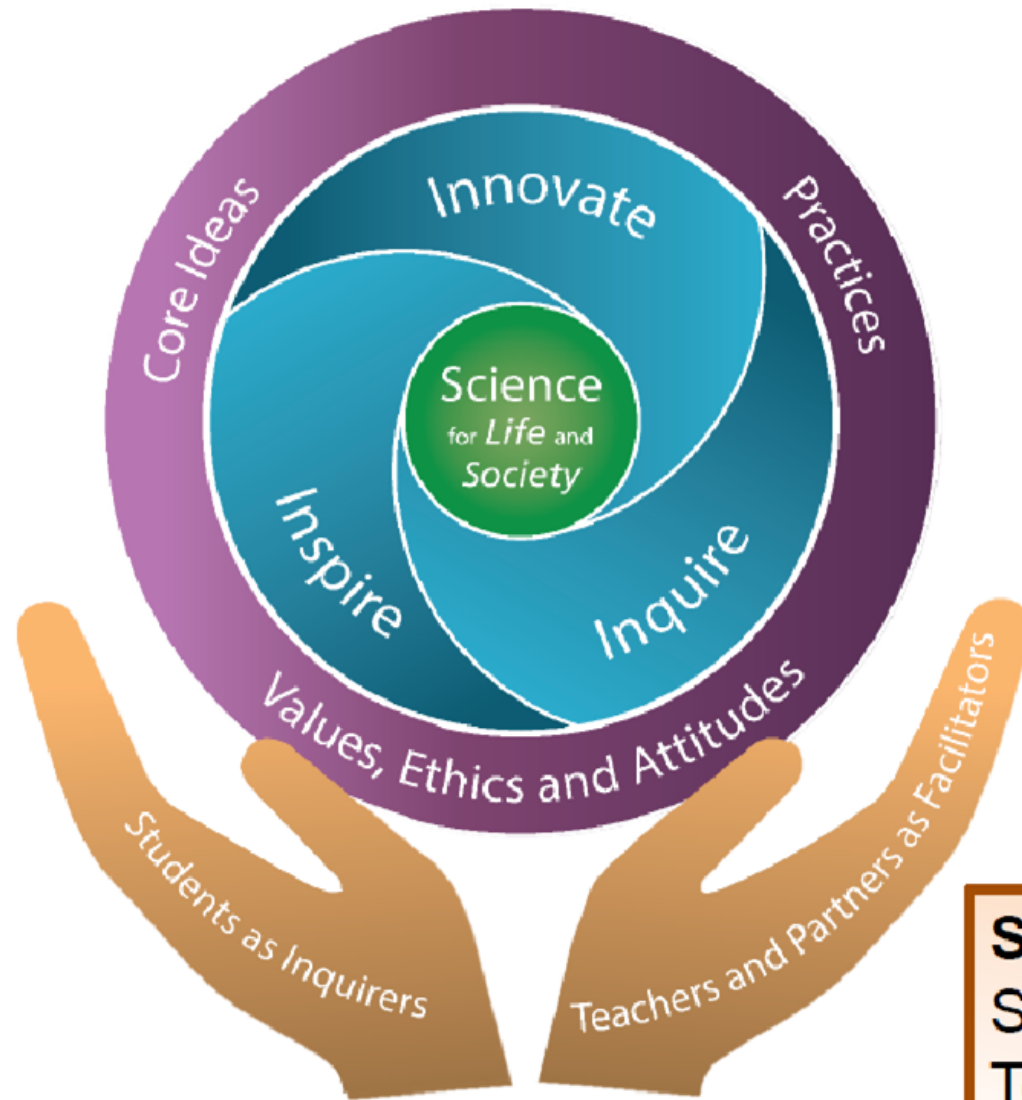


Curriculum Briefing 2025



Primary 4

REVISED SCIENCE CURRICULUM FRAMEWORK



Goals

Science for Life and Society

Vision - 3Ins

Inspire

Inquire

Innovate

Three Domains

Core Ideas

Practices

Values, Ethics and Attitudes

Stakeholders

Students as Inquirers

Teachers & Partners as Facilitators

SCIENCE

TEACHING & LEARNING SYLLABUS

Primary Three to Six
Standard / Foundation

Implementation starting with
2023 Primary Three Cohort

Updated October 2022



Ministry of Education
SINGAPORE

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<https://tinyurl.com/2fx3ssxj>

<https://www.moe.gov.sg/-/media/files/primary/syllabus/2023-primary-science.ashx>



Science Curriculum & Assessment

- Inquiry-based and spiral* in nature
 - focus on learning experiences that promotes questioning, discussion of science-related issues and problem solving in real-life contexts
 - revisit key concepts and skills at different levels with increasing depth and complexity
 - help students build upon their existing understanding of concepts and facilitates the gradual mastery of skills.
- 3Es (Experience, Empower, Extend) approach is adopted in the design of our PLAY lessons so that learning in WSPS is beyond skills and knowledge, and students are given opportunities to SHINE

**Please keep the textbooks and activity books from the previous levels to serve as reference materials.*



PLAY Lessons



- create a learner-centred environment that supports holistic development
- learn through hands-on experiences, experimentation and collaboration
- nurture children's curiosity and encourages active participation
- develop critical thinking, problem-solving and social skills

Key Focus Programmes

- Makers infused lessons
- Environmental education
- School wide sustainability efforts



Themes and Topics in P4

Themes	Topics	When
Systems	<ul style="list-style-type: none">• Plant System• Human Systems	<ul style="list-style-type: none">• Term 1
Cycles	<ul style="list-style-type: none">• Matter	<ul style="list-style-type: none">• Terms 1 - 2
Energy	<ul style="list-style-type: none">• Heat• Effects of Heat	<ul style="list-style-type: none">• Terms 2 – 3
	<ul style="list-style-type: none">• Light• Shadows *	<ul style="list-style-type: none">• Terms 3 - 4

**** Will be taught in current year and assessed in class during lessons. Part of the topic will only be assessed in P5 WA1, in the following year. This is to provide sufficient time for consolidation of learning. Please refer to assessment letter for details.***

2025 Assessment Overview

P4	WA 1	WA 2	WA 3	EYE
Duration	45 min	1 h	1 h	1 h 45 min
Weighting	30 marks	50 marks	50 marks	100 marks
Type of questions	MCQ/Open-ended		Online Performance Task	MCQ/Open-ended

The topics to be assessed for each WA/EYE will be included in the assessment letter that will be shared with parents

How Parents Can Support Learning

Encourage Curiosity and Exploration

1. **Ask open-ended questions** : *Encourage your child to think critically by asking questions that begin with what, how or why.*
2. **Explore together** : *Take your child to visit the library, Singapore Science Centre, bring him/her on nature walks, visit parks or simply observe the backyard to foster curiosity about the natural world.*
3. **Conduct simple experiments and make Science toys using recycled materials** : *Engage your child in hands-on activities, like making a volcano erupt or creating a homemade lava lamp.*

How Parents Can Support Learning

Foster a Growth Mindset

1. **Emphasize effort over results** : *Praise your child for their effort and persistence in learning science, rather than just focusing on grades or results.*
2. **Celebrate mistakes** : *View mistakes as opportunities for growth and learning, encouraging your child to try again and explore different approaches.*
3. **Encourage self-reflection** : *Help your child develop a growth mindset by reflecting on learning, setting goals, and identifying areas for improvement.*

How Parents Can Support Learning

Reinforce Classroom Learning

1. **Collaborate with teachers** : *Stay informed about your child's learning in science and work alongside with teachers to support learning at home.*
1. **Cultivate good learning habits**: *Encourage your child to set aside time to complete science homework; file returned worksheets, revise learning regularly and seek help when needed.*



Thank You