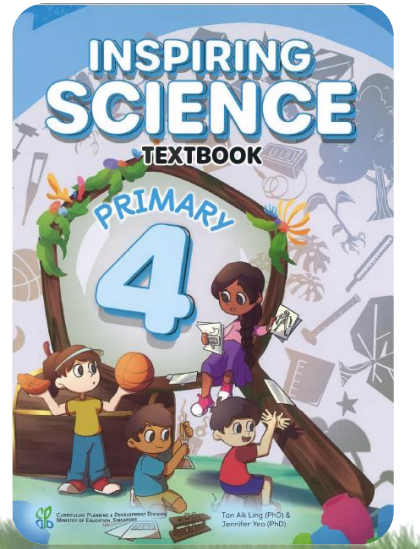
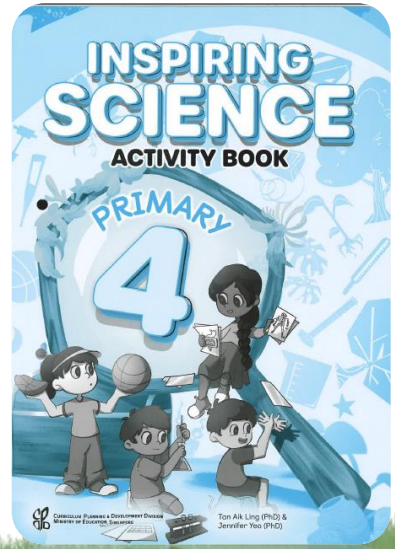
P4 SUBJECT BRIEFING
SCIENCE

A COMMUNITY OF COMPASSIONATE LEADERS AND INNOVATORS

Overview of P4 Science Syllabus

Level	Theme	Topics
Primary Four Topics	System	• Plant systems (Plant parts and functions) • Human systems (Digestive system)
	Cycles	• Cycles in matter
	Energy	• Energy forms and uses (Light and heat)





Syllabus Overview for Primary 4 (Practices of Science)

Demonstrating Ways Of Thinking and Doing			
Investigating		Evaluating and Reasoning	Developing Explanations and Solutions
Posing and defining problems	Conducting experiments and testing solutions	Communicating, evaluating and defending ideas with evidence	Using and developing models
Designing investigations	Analysing and interpreting data	Making informed decisions and taking responsible actions	Constructing explanations and designing solutions

Understanding the Nature of Scientific Knowledge
Science is an evidence-based, model-building enterprise to understand the real world.
Science assumes natural causes, order and consistency in natural systems.
Scientific knowledge is generated through established procedures and critical debate.
Scientific knowledge is reliable, durable, open to change in light of new evidence.

Relating Science-Technology-Society-Environment
There are risks and benefits associated with the applications of Science in society.
Applications of Science often have ethical, social, economic and environmental implications.
Application of new scientific discoveries often drive technological advancement while advances in technology enables scientists to make new or deeper inquiry.

Syllabus Overview for Primary 4 (Values, Ethics and Attitudes)

P4 Science Assessment Matters

Term 2	Term 3	Term 4
Weighted Assessment (WA)	**Performance-based Assessment (WA)**	**End-of Year Examination (EYE)**

• Multiple-Choice Questions
• Structured Questions
	• Practical Test	• Booklet A
		  • Multiple-Choice Questions
		• Booklet B
		  • Structured Questions

15%	15%	70%

Each multiple-choice question carries 2 marks.
Each structured question carries 2 to 4 marks and is scaffolded into part-questions, each carrying 1 to 3 marks.

Duration of formal assessments – 1 h 30 min

P4 Science Programmes/Activities

1) Experiential Learning

Students learn Science through understanding and applying concepts and skills in different contexts in an age-appropriate manner. One of the strategies is for them to have hands-on (investigation)