



PSLE Foundation Science

Science Department



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Assessment Objectives

- **Knowledge with Understanding (50%)**

Pupils should be able to demonstrate knowledge and understanding of scientific facts, concepts and principles

- **Application of Knowledge and Process Skills (50%)**

Pupils should be able to:

- a) Apply scientific facts, concepts and principles to new situations
- b) Interpret information (including pictorial, tabular and graphical) and investigate using one or a combination of the following process skills:



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Process Skills

- Inferring
- Predicting
- Analysing
- Evaluating
- Generating possibilities
- Formulating hypothesis
- Communicating



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Format of Paper

Duration of paper: 1 h 15 min

Booklet	Item Type	No. of questions	No. of marks per question	Marks
A	Multiple-choice	18	2	36
B	Structured	6 - 7	2 - 3	14
	Open-ended	5 - 6	2 - 4	20



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Distribution of Marks

Weighting (%)	
Life Science	45 - 55
Physical Science	45 - 55





Science Themes

Theme	Life Science	Physical Science
Diversity	<ul style="list-style-type: none">• Diversity of living things (General characteristics and classification)	<ul style="list-style-type: none">▪ Diversity of non-living things (General characteristics and classification)▪ Diversity of materials
Cycles	<ul style="list-style-type: none">• Cycles in plants and animals (Life cycles, Reproduction)	<ul style="list-style-type: none">• Cycles in matter and water (Matter, Water)



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Science Themes

Theme	Life Science	Physical Science
Systems	<ul style="list-style-type: none">• Plant system (Plant parts and functions, Respiratory and Circulatory systems)• Human system (Digestive system, Respiratory and circulatory systems)	<ul style="list-style-type: none">▪ Electrical system



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Science Themes

Theme	Life Science	Physical Science
Interactions	<ul style="list-style-type: none">Interaction within the environment	<ul style="list-style-type: none">Interaction of forces (magnets, frictional force, gravitational force)



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Science Themes

Theme	Life Science	Physical Science
Energy	<ul style="list-style-type: none">• Energy forms and uses (Photosynthesis)	<ul style="list-style-type: none">▪ Energy forms and uses (Light and heat)



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Provision of Word List

- The Foundation Science paper focuses on assessing students' grasp of basic scientific knowledge.
- A word list is provided during the examination to allow students to display their knowledge and understanding without being unduly disadvantaged by their weakness in the English language.
- It should be appreciated that the list is not exhaustive.

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Partnership with Parents



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Partnership with Parents

- Guide your child to understand science concepts
 - Encourage child to read widely, know the facts
 - Use concept maps to organise and link concepts and keywords





Partnership with Parents

- Guide your child to inquire and apply what he/she has learnt to different contexts
 - Encourage child to explain scientific phenomenon or daily life situations using science concepts
 - Watch with child science documentaries from Discovery Channel, Animal Planets etc.
 - Encourage child to borrow and read science-related magazines
 - Discuss science-related articles in newspaper reports



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Partnership with Parents

- Guide your child during revision
 - Revise concepts learnt from P3 to P5; make connections between concepts learnt (www.mconline.sg, textbooks)



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Partnership with Parents

- Guide your child during revision
 - Remind child to read questions carefully; study key information i.e. diagrams, tables, graphs
 - Help child identify the process skills and concepts from the given scenario/keywords/items used in question

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Partnership with Parents

- Guide your child during revision
 - Remind child to use strategies they have learnt in answering questions
 - (a) Tackling MCQ
 - (b) Tackling Open-ended

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Thank You



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