



Primary 4 Science

P4 Parent Seminar 2017

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Supporting your Child in Science

- Be familiar of the examination format
- Understand topics well
- Tackle science questions
- See science everywhere
- Show excitement in science

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Be Familiar of Paper Format

Duration of paper: 1 hour 45 minutes

Booklet	Item Type	No. of questions	Marks per question	Weighting (%)
A	Multiple choice	28	2	56
B	Open-ended	13	2 – 5	44

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Be Familiar of Paper Format

- **Knowledge with Understanding (50% / 40%)**

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

- **Application of Knowledge and Process Skills (50% / 60%)**

Pupils should be able to:

- a) Apply scientific facts, concepts and principles to new situations
- b) Use one or a combination of basic **Process Skills**

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Process Skills

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



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Understand Topics Well

- Revise current lessons learnt
- Revise concepts learnt in P3; make connections between concepts learnt
- www.mconline.sg, textbooks

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Understand Topics Well

	Primary 3	Primary 4	Primary 5	Primary 6	
Life Science	<ul style="list-style-type: none"> • Living things • Flowering and Non-Flowering plants • Parts and functions of plants 	<ul style="list-style-type: none"> • Life Cycle of plants 	<ul style="list-style-type: none"> • Reproduction in flowering plants • Transport system in plants 	<ul style="list-style-type: none"> • Photosynthesis 	<ul style="list-style-type: none"> • Interactions with the environment • Adaptation
	<ul style="list-style-type: none"> • Groups of animals 	<ul style="list-style-type: none"> • Life Cycle of animals • Human systems • Digestive system 	<ul style="list-style-type: none"> • Reproduction in humans • Respiratory & Circulatory system • Cell system 	<ul style="list-style-type: none"> • Energy from food 	
Physical Science	<ul style="list-style-type: none"> • Non-living things • Materials (properties of materials) • Magnets 			<ul style="list-style-type: none"> • Interactions of Forces (magnets, friction, gravity, force in springs) 	
		<ul style="list-style-type: none"> • Heat • Light • Matter 	<ul style="list-style-type: none"> • Water Cycle • Electrical system 	<ul style="list-style-type: none"> • Energy forms and uses 	

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Understand Topics Well

- Use concept maps to organise and link concepts and keywords

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Understand Topics Well

- Use graphic organisers

Main topic: Flowering Plants		
Sub-topic 1	Sub-topic 2	Sub-Topic 3
Processes involved: (i) Pollination (ii) Fertilisation (iii) Seed dispersal (iv) germination	Seed dispersal: (i) wind (ii) water (iii) animals (iv) splitting	Characteristics of fruits/seeds (i) light, wing-like structures (ii) has fibrous husk, waterproof covering

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Understand Topics Well

- Use role-play or watch animations to understand abstract topics

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Understand Topics Well

- Use role-play or watch animations to understand abstract topics

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Understand Topics Well

- Use role-play or watch animations to understand abstract topics

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Tackling Science Questions

- **Apply strategies/ procedures**
 - 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 situation/keywords/items used in question

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Tackling Science Questions

- **SLPS Strategy -**
Study question, **L**ink Concept, **P**lan answer, **S**tudy answer
- **CER Strategy -**
Claim, **E**vidence, **R**easoning

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See Science Everywhere

- Guide your child to inquire and apply what has been learnt in different contexts
 - Encourage child to explain scientific phenomenon or daily life situations using science concepts
 - Discuss science-related articles in newspaper reports

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Show Excitement in Science

- Ignite joy of learning
 - Instill the love for learning

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Show Excitement in Science

- Make science real
 - Carry out experiments
 - Make them explore to ignite curiosity

<https://www.scientificamerican.com/education/bring-science-home/>

<http://www.sciencekids.co.nz/experiments.html>



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Thank You

A decorative border at the bottom of the page features a lush green lawn with various flowers, including white daisies and small blue and yellow blossoms. Several colorful butterflies in shades of orange, yellow, and blue are scattered across the scene, appearing to fly over the garden.

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