



# Primary 4 Science

P4 Parent Seminar 2017

A decorative border at the bottom of the page features a lush green field of grass with several colorful butterflies (orange, yellow, and blue) and small white daisies scattered throughout.

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

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# Understand Topics Well

- Use concept maps to organise and link concepts and keywords

A decorative border at the bottom of the slide depicts a vibrant garden scene. It features green grass, white daisies, and several colorful butterflies in shades of orange, yellow, and blue.

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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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# 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 -**  
**S**tudy question, **L**ink Concept, **P**lan answer, **S**tudy answer
- **CER Strategy -**  
**C**laim, **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

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