Woodlands Ring Primary School

Preparing your child for PSLE Science
Contents

1. Format of the paper
2. Topics & Skills tested
3. Tackling PSLE Science questions
4. What can you do?
Format of the Science Paper

Duration of Paper: 1 hour 45 minute
Total Possible Score: 100 marks

Booklet A - Part 1
  – 30 Multiple-choice questions
  – 2 marks per question
  – Total of 60 marks

Booklet B – Part 2
  – 14 Open-ended questions
  – 2, 3, 4 marks
  – Total of 40 marks
# Topics

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# Revision for P3, P4 and P5 topics

**Weekly Supplementary Lessons**

### Gear Up! In Term 1
1. P3 Magnet
2. P4 Matter
3. P4 Light
4. P4 Heat

### Gear Up! In Term 2
8. P5 Melting, Freezing & Boiling
9. P5 Evaporation & Condensation
10. P4 Digestive System & Plant Transport System

### Gear Up! In Term 1
5. P3 Life Cycles
6. P3 Classifying plants and animals
7. P3 Exploring Materials

### Gear Up! In Term 2
11. P4 Heat, Light & P3 Magnet
12. P5 Respiratory & Circulatory System
Revision for P3, P4 and P5 topics

Assessment for Learning (AfL)

**P6 Standard - AfL 1**
- P6 Energy 1: Energy in food
- P6 Energy 2: Forms and Uses of Energy
- P3/P4 Interactions Chapter 1,2,3: Magnets & their characteristics, Making magnets, Magnets, magnets everywhere
- P3/P4 Cycles Chapter 1,2,3: Life cycles, Life cycles of some animals, Life cycles of plants
- P3/P4 Cycles Chapter 4,5: What is matter?, The three states of matter
Skills tested

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<td>• Evaluating</td>
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<td>• Formulating hypothesis</td>
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Tackling PSLE Science questions

- Understanding, not just remembering
- Applying Process Skills
  - Techniques (processing given information, making associations)
- Written Expressions
  - S.H.I.N.E
Understanding, not just remembering

Concrete (Hands-on, Skills, Inquiry)
Grow bean plants. Water daily.

Concept Formation (Science Language)
State that plants need water to grow.

Application (Knowledge & Process Skills)
Apply concept in new situation.

Passionate Learners, Gracious Citizens
Grow bean plants. Water daily.

Pupils state that plants need water to grow.
Understanding, not just remembering

Apply concept in new situation:
The plant in which pot will survive? Explain why.
Application of concepts and skills in MCQ

The following experiment was set up and the amount of carbon dioxide given out was measured by an instrument after 12 hours.

Set-up A: Instrument connected to light and plant stalk in water.
Set-up B: Instrument connected to a live lizard.
Set-up C: Instrument connected to mouldy bread.

Photosynthesis
Respiration
Decomposition
Application of concepts and skills in MCQ

Which one of the following graphs best fits the results above?

(1) Amount of carbon dioxide
   A  B  C  Set-up

(2) Amount of carbon dioxide
   A  B  C  Set-up

(3) Amount of carbon dioxide
   A  B  C  Set-up

(4) Amount of carbon dioxide
   A  B  C  Set-up

Interpreting given data
Science Answering technique – S.H.I.N.E

• S – Study the question carefully
• H – Highlight the keywords
• I – Identify the Science concepts
• N – Note it down
• E – Explain the answer with the appropriate Scientific terms
Science Answering technique – S.H.I.N.E (MCQ)

1. Eric conducted an experiment as shown below.

![Diagram of a magnet, paper clip, thread, plasticine, and table with a hand](image)

Concept(s) (P3)
1. Magnetic materials
2. Magnetism

When he placed Material X in between the magnet and the paper clip, the paper clip dropped onto the table. What can he conclude about Material X?

(1) It is a piece of plastic. - non-magnetic
(2) It is a piece of paper. - non-magnetic
(3) It is a piece of cloth. - non-magnetic
(4) It is a piece of nickel. - magnetic

* Magnetic materials do not allow magnetism to pass through.

Passionate Learners, Gracious Citizens
Science Answering technique – S.H.I.N.E (Open-ended)

5. The diagram below shows a magnetic drawer which is used to remove fine iron and other magnetic substances from products such as sugar, tea and grains.

A mixture of fine iron and tea leaves are poured through the opening of the magnetic drawer.

Explain how the fine iron and tea leaves are separated.

The magnetic stainless steel tubes will attract the fine iron, leaving the tea leaves to fall into the collector.

Concept (s)
* Magnetic materials are attracted by magnet. (fine iron)
* Non-magnetic materials will not be attracted by the magnet. (tea leaves)
What you can do to help...
Ensure your child

1. Revise to reinforce concepts, knowledge and improve retention:
   – Textbook & Activity Book
   – Revision Guide

2. Learn from mistakes
   – Take down notes and copy explanations
   – Corrections in Activity Book, AfL, CA, SA. Topical Worksheet, Process Skills Worksheet, Supplementary Worksheets, Practice Papers
   – Proper filing

3. Complete homework on time
What you can do to help...

4. Support school programmes:
   – Attend supplementary / remedial lessons

5. Help your child to be interested in Science
   Expand and Explore!
   – Read books on Science
   – Read magazines on Science
   – Pay attention to what’s in the news
   – Find out more from web resources: mconline.sg, Sciberdiver, BBC Science and etc.
What you can do to help
- Learn Together

https://mconline.sg
http://sciberdiver.wikispaces.com/Primary+3-4
http://sciberdiver.wikispaces.com/Primary+5-6

Sciberdiver is a useful website for pupils. Parents can learn more about the science their children are studying at school too.

Passionate Learners, Gracious Citizens
Reference


Thank You!
Thank You