



# Primary 4 Science

P4 Parent Seminar 2018

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.

**A Garden where Scholars Bloom**



# Supporting your Child in Science

Enjoy Science

Love Science

Be confident in Science

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

**A Garden where Scholars Bloom**



# Supporting your Child in Science

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

A decorative border at the bottom of the slide features a lush green field of grass with several small white daisies and colorful butterflies in shades of orange, yellow, and blue.

**A Garden where Scholars Bloom**



# Be Familiar of Format of Paper

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 – 4	44

A decorative border at the bottom of the page features a lush green field of grass with several white daisies and colorful butterflies in shades of orange, yellow, and blue.

**A Garden where Scholars Bloom**



# Be Familiar of Format of Paper

## Assessment of Objectives:

- **Knowledge with Understanding (50% - 60%)**

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

- **Application of Knowledge and Process Skills (40% / 50%)**

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**



**A Garden where Scholars Bloom**



## Process Skills

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



**A Garden where Scholars Bloom**



## 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, workbooks
- Student Learning Space (SLS)  
<https://vle.learning.moe.edu.sg>

A decorative border at the bottom of the slide features a lush green field of grass with several small white daisies and colorful butterflies in shades of orange, yellow, and blue.

**A Garden where Scholars Bloom**



# 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.

**A Garden where Scholars Bloom**





# 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



**A Garden where Scholars Bloom**



# Understand Topics Well

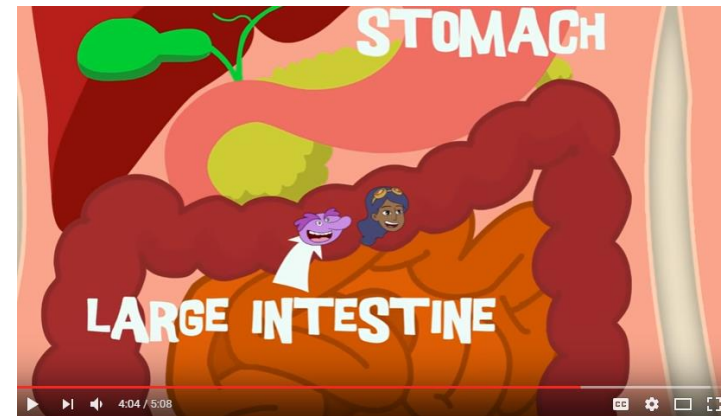
- Use role-play or watch animations to understand abstract topics



: System Works



gestive System Works



How the Digestive System Works

**A Garden where Scholars Bloom**



# Understand Topics Well

- Learn how to apply concepts to situations

**A Garden where Scholars Bloom**



# Understand Topics Well

- **Work on areas of concerns, Do practices**

Using correct science concepts in their responses

Identifying relevant concepts in answering questions with less familiar contexts

Making connections between given information and context

Difficult topics: Heat, Water Cycle, Circulatory system, Energy from Food

A decorative border at the bottom of the slide features a lush green field of grass with several white daisies and colorful butterflies in shades of orange, yellow, and blue.

**A Garden where Scholars Bloom**



# Understand Topics Well

- **Work on areas of concerns, Do practices**  
Revise Science Process Skills and MCQ Companion  
Practice Papers  
Previous papers (Revision Exercise, SA1)

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

**A Garden where Scholars Bloom**



# 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

A decorative border at the bottom of the slide features a lush green field of grass with several white daisies and colorful butterflies in shades of orange, yellow, and blue.

**A Garden where Scholars Bloom**



# 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

A decorative border at the bottom of the slide features a lush green field of grass with several small white daisies and colorful butterflies in shades of orange, yellow, and blue.

**A Garden where Scholars Bloom**



# Tackling Science Questions

SLPS stands for:

- **S**tudy the question
- **L**ink knowledge and concepts
- **P**lan answer
- **S**tudy your answer

A decorative border at the bottom of the slide features a lush green field of grass with several white daisies and colorful butterflies in shades of orange, yellow, and blue.

**A Garden where Scholars Bloom**





# Tackling Science Questions

- **CER Strategy -**  
**C**laim, **E**vidence, **R**easoning

<b>C</b> laim	What do you know?
<b>E</b> vidence	How do you know?
<b>R</b> easoning	Why does your evidence support your claim?

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

**A Garden where Scholars Bloom**



# 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

A decorative border at the bottom of the slide features a lush green field of grass with several white daisies and colorful butterflies in shades of orange, yellow, and blue.

**A Garden where Scholars Bloom**



# See joy 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>



**A Garden where Scholars Bloom**



# Thank You

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

**A Garden where Scholars Bloom**