

Primary 4 Science MTPS

Mr Christopher Khoo
HOD Science
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A PRESENTATION BY
BUKIT TIMAH PRIMARY SCHOOL



Science Teaching and Learning @ P4

Programme for Science Learning

- Learning Support (Pull-out) – Supporting Science learning
- Learning Plots – Science exploration on growing plants through hydroponics
- Science Exploration Day – Application of Science

Resources for Teaching and Learning

- Inspiring Science Textbook & Activity Book
- SAM Journals
- Topical Review & Examination Practice Paper

Additional Resources

- CER approach to tackle Open-Ended explanation questions
- Topical Checklist, Examination Review



Science Around Me (SAM Journal)

- 1) Strive for the best
- 2) Pose questions and find out more on their own
- 3) Explain their thinking using relevant science concepts
- 4) Link science learning to life
- 5) Reflect on their learning



Plant Parts Work Together

- leaves, stems and roots ~~for~~ work together to help the plant stay alive and grow well.
- Even if just one part is gone, the entire plant will die because it.

See, Think, Wonder Chart

See	Think (Plant Facts)
- A lot of insects (flies, ^{small} grasshoppers and dragon flies) flew inside the Venus Flytrap and got trapped as for food.	- I think ^{there} are sensors in the jaw so that when insects fly inside, the leaf knows to close and trap the insect.
- Bugs: flying inside the Pitcher Plant and struggling to get out.	- The factor inside the Pitcher Plant is so sticky that it catches all the insects and animals trapped inside.
- A lot of dead insects in the Pitcher Plant.	- It uses electrical signals to see if an insect is trapped or not.
- A Cape Sander luring insects in with its dew.	

Wonder (Questions)

- How does the Venus Flytrap lure animals/insects in?
- Why do Venus Flytraps eat insects?
- Why do ~~the~~ insects/animal so attracted to the Pitcher Plant?
- How many types of ~~the~~ Sanders are there?
- Which carnivorous plant is the deadliest?

Human Digestive System

TR: Pose Questions!

What do I know?	What questions do I want to know?
1) There are two intestines called 'small intestine and large intestine.	1) Why do kidneys work together when cleaning bacteria?
2) The appendix is a useless organ.	2) Are all the organs of a digestive systems?
3) The gullet, mouth, salivary stomach, small intestine and large intestine are the digestive system.	3) Are our organs helpful?
4) Digestion is a process by which food is broken down into simple substances.	4) What are all the organs in the human system?
5) Food will stay in the stomach for a few hours.	5) Why is the appendix a useless organ?
6) The tongue will swallow the food to the gullet.	6) What is the purpose of the small intestine?
7) The mouth is the first part of the digestive system.	7) Can the large intestine be as long as the small intestine?

Science Assessment @ P4

	Term 1	Term 2	Term 3	Term 4
Base Mark	30	30	30	100
Weightage	10%	15%	15%	60%
Schedule*	22 Feb 2024	2 May 2024 to 16 May 2024	7 Aug 2024 to 21 Aug 2024	22 Oct 2024
Topics*	P4: Chapter 1 & 2 P3: Magnets	P4: Chapter 3 P3: Life Cycles	P4: Chapter 3 - 5 P3: Diversity of Materials	All P3 & P4 Topics



P4 Science Exam Format

Topical Test – Term 1 - 3

Duration: 40 min

Section	Type of Questions	Number of Questions	Marks
A	MCQ	8	16
B	Open-ended	4-6	14
	TOTAL	12-14	30

Semestral Assessment – Term 4

Duration: 1 h 45 min

Booklet	Type of Questions	Number of Questions	Marks
A	MCQ	28	56
B	Open-ended	12-13	44
	TOTAL	40-41	100



Partnership with Parents

How can you help your child?

- Monitor their homework, eventually work towards them taking ownership of their own learning.
- Ensure that revision of content in textbooks is done.
- Encourage them to draw MindMaps to sum up their knowledge.
- Get them look through the topical/practice/exam papers done in P3/P4.
- Encourage them to ask questions when unsure.
- Get them to observe things around them and link them to the Science concepts that they learn in school.
- **Be encouraging and supportive!**



Thank You



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STRIVE FOR THE BEST

