## **Primary 3 Science MTPS**

Mr Christopher Khoo HOD Science 23 January 2024

A PRESENTATION BY
BUKIT TIMAH PRIMARY SCHOOL



## Science Teaching and Learning @ P3

### **Programme for Science Learning**

- Learning Plots Science exploration on growing plants on a small plot of land
- 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



## **Topical Checklist and Examination Review**

ame: J	Aimee (1) Parent's signature:					
elf-As	sessment on: Diversity- Living and Non-living things					
noose	the level that describes how well you have understood each of the Science	ideas.		14		
evel	s Descriptors	-		-		
1	I have understood this Science idea the least. (I don't get it)					
	I have some understanding about this Science idea. (I partially get it)					
2	I have some understanding about this Science idea. (I partially	get it)				
3	I have understanding about this Science idea. (I partially I have understood this Science idea very well and can explain it		(I get it	)		
State:			(I get it			

I can describe the similarities and differences of plants and animals.

Skill: I use the following senses like sense of sight, sense of smell, sense of hearing, sense of touch and sense of taste in making observations.

Skill: I can make some measurements in my observations.

Bukit Timah Primary School Science Primary 3 SA2 Review 2022

### Science Primary 3 SA2 Review 2022

#### Pupils have done well in the following areas:

#### Living and Non-Living Things:

Pupils were able to apply the correct Science ideas to questions on characteristics of living things, the different animal groups, plants and fungi. (Q2, Q3, Q8).

### Factors affecting strength of magnet:

Pupils were able to identify the factors that affected the strength of temporary magnets. (Q19, Q20)

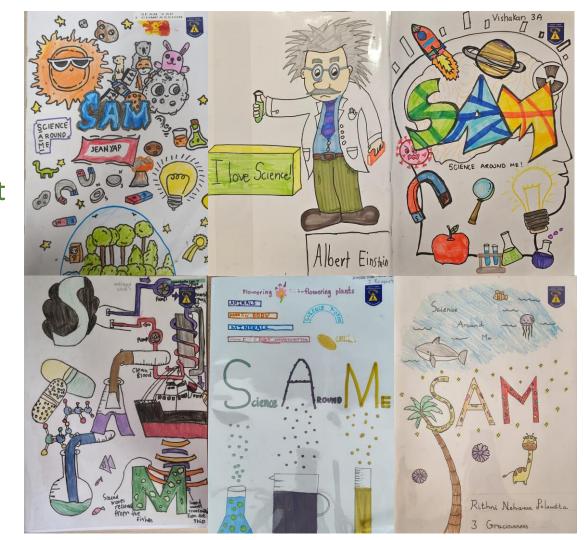
#### Science ideas that need review:

Area(s) for Improvement	Answers Given	Learning Point(s)				
Making Comparisons						
Q23(b), Q25(b)	When comparing differences, some	Pupils need to specify the				
Characteristics of living things	pupils state the characteristic of only 1 organism,	difference between two organisms and not simply state that the other organism does				
	E.g. "Crocodiles lives on land but goldfish does not."	not have the characteristic.				
	Or  "Fern reproduces by spores but the papaya plant does not."	E.g. "Crocodile lives on land but goldfish lives in water."				
		"Fern reproduces by spores but				

# 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



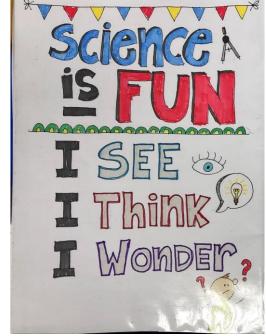


# **Thinking Routines**

For example, Victoria looked at a picture of a bird and wrote the following,

1 see	1 thínk	1 wonder
1500	1 CHOICE	1 WDruzer
a bírd	bírds do not	if birds have ears.
feathers	haveears	if birds have
claws	birds have very	senses.
eyes	good eyesight	Are bird's feathers
taíl		thíck or thín?
beak		How do birds find
		their food?





Thursday		12th Jan
THE PARTY OF THE P	Observation #3	1
Truck,		
1. It looks	The Tripe	fruit
T. It 1001	11100 0 1211 10111	
3. It looks	crum	
MB-touch		Wonderful
1. It feels	spikey	observations and
2. It is had 3. It fools I	ike a dried flower	documenting of it.  I enjoyed reading
		your entries!
3-hear		400
2. I hear b	us in it	a rock
3.I hear a	is like dropping was in it loud sound from	it south
L-smell		•
1. It smell	s like pepper	
2. It doesn	4 have a nice si	me/l
3. Its same	s like pepper 4 have a nice si Il 15 disgusting	
Reflection		
		1
The mos	+ important	thing I learnt
observations	cannot just write. We should explore	e deeper.
ODAT TO THE TE		, , , , , ,
	Yes, you	l're right!
Thanks for your reply	If we just ria	ht It feels like a
You're right! Include details, and make	flower. That is	nt It feels like a not enough! We.
your thinking visible by	chould write	like which part of it which part of a
voriting it down! Waytogo	· Clause and land 1-	he il Plat like a Ol

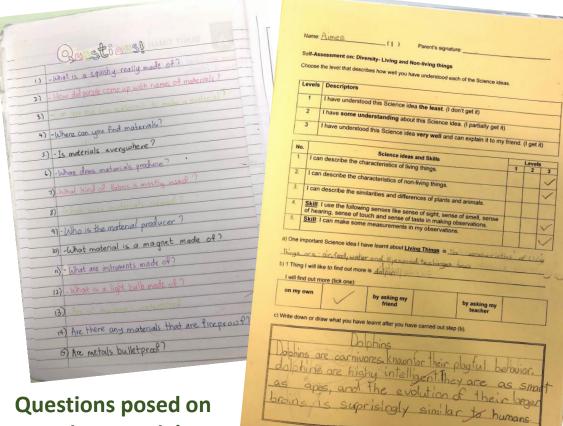
Use of 5 senses for observation

## 1) Strives for the best



Classifying animals into different groups

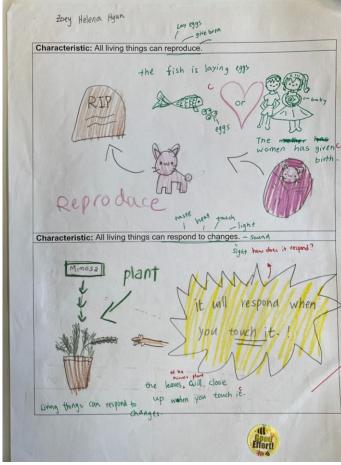
2) Poses questions to find out more



Questions posed on topic: materials

Questions posed in checklist: Animals

iterial-what 18 it was made of rubber, the dover early see through and accident are likely to people ! 1: When what if your house was made of glass? 4. What if your prove was made out of glass? owhenever you doop it it would break very easily and it would be very expensive to keep buying again 'What if' questions on Materials

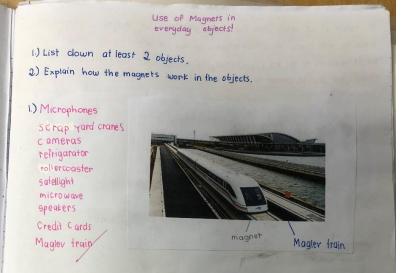


Drawing to show characteristics of Living Things

3) Explain thinking using relevant science concepts



Germination



2.)
Scrap yard cranes is to pick up heavy scrap metal with the magnet at the crane.

In the magler train that levitate by magnetic attraction, the bottom of the train wraps around the guideway. Levitation magnets on the underside of the guideway are position to attract the opposite poles of magnets on the wraparound section of the magler. This raises the train of the track.

The Stripe on the back of a credit card is a magnetic stripe, often called a magnetic particles in a plastic-like film. Each particle is really a very tiny bar magnet about 20 milionths of an Inch long.

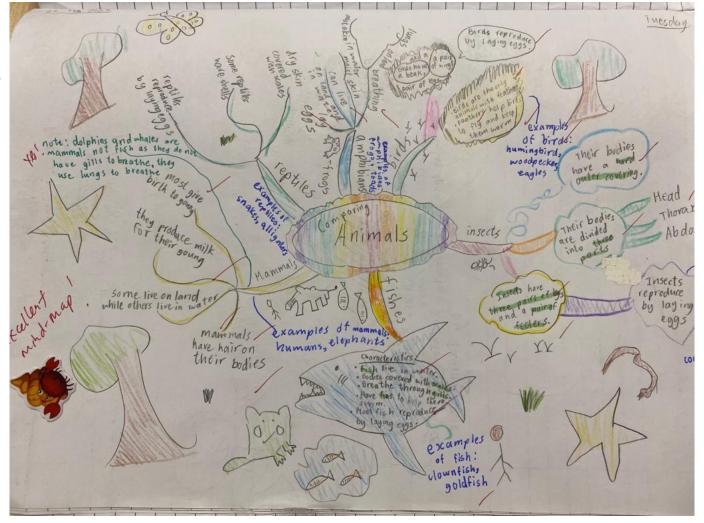
How magnets are used in

things around us

Examples of how living things respond! when I lank At the sun I immediately close We scream are scured When I touch /step millipede it starts running away quickly Good link How living things around us respond to changes

# 4) Links science learning to life

# Reflect on their learning



Drawing a Mindmap on Animals

## Science Assessment @ P3

	Term 1	Term 2	Term 3	Term 4
Base Mark	20	30	30	80
Weightage	10%	15%	15%	60%
Schedule*	28 Feb 2024	2 May 2024 to 16 May 2024	7 Aug 2024 to 21 Aug 2024	22 Oct 2024
Topics*	P3: Chapter 1 & 2 1-3		P3: Chapter 1-5	All P3 Topics

## **P3 Science Exam Format**

## **Topical Test**

**- Term 1** 

Duration: 30 min

### **Semestral Assessment**

- Term 2 & 3

Duration: 40 min

Section		Number of Questions	Marks		Booklet	Type of Questions		Marks
Α	MCQ	6	12		А	MCQ	8	16
В	Open- ended	2-4	8		В	Open- ended	4-6	14
	TOTAL	8-10	20	S. C.		TOTAL	12-14	30

## **P3 Science Exam Format**

### **Semestral Assessment**

**– Term 4** Duration: 1 h 30 min

Booklet	Type of Questions	Number of Questions	Marks
А	MCQ	22	44
В	Open- ended	11-12	36
	TOTAL	33-34	80

# Some common questions parents ask when their children start learning Science in Primary 3...

- What assessment books do you recommend?
  - None
- How many practice papers must my child do?
  - Just what our school gives
- What are all the words my child needs to memorise for Science?
  - Understand the concepts. Memorising words does not really help that much.
- Do I need to give my child spelling for Science?
  - No.



## **Partnership with Parents**

### How can you help your child?

- Monitor their homework, eventually work towards them taking ownership of their own learning.
- Encourage them
  - ✓ to read Science materials like books, magazines or watch documentaries on Science.
  - ✓ to pose questions and find out more on their own.
  - ✓ to draw MindMaps to sum up their knowledge.
- 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**



## **BUKIT TIMAH PRIMARY SCHOOL**

### STRIVE FOR THE BEST

