

Primary 3 Science

Mr Christopher Khoo HOD Science 4 February 2025



An Adaptive Learner, Empathetic Leader and Future-Ready Citizen

Science Teaching and Learning @ P3

Programme for Science Learning

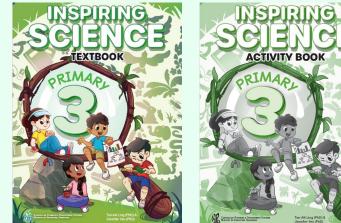
- Learning Plots Science exploration on growing plants in the outdoor
- Science Exploration Day Application of Science

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

Name: <u>Aimee</u> (1)

Parent's signature:

Self-Assessment on: Diversity- Living and Non-living things

Choose the level that describes how well you have understood each of the Science ideas.

Levels	Descriptors
1	I have understood this Science idea the least. (I don't get it)
2	I have some understanding about this Science idea. (I partially get it)
3	I have understood this Science idea very well and can explain it to my friend. (I get it)

			Levels		
No.	Science ideas and Skills	1	2	3	
1.	I can describe the characteristics of living things.			1	
2.	I can describe the characteristics of non-living things.			~	
3.	I can describe the similarities and differences of plants and animals.				
4.	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.			V	
5.	Skill: I can make some measurements in my observations.			V	

Bukit <u>Timah</u> 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)	Pupils need to specify the			
Characteristics of living things	difference between two			
	organisms and not simply state			
	that the other organism does			
	not have the characteristic.			
	goldfish does not."			
	Or	E.g. "Crocodile lives on land but		
	"Fern reproduces by spores but the	goldfish lives in water."		
	papaya plant does not."			
		"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

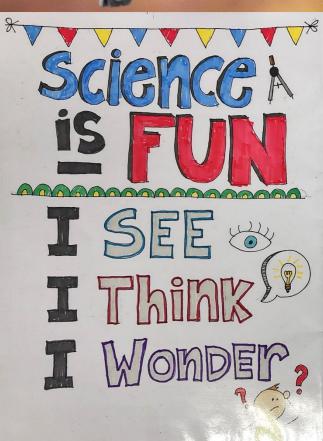




Thinking Routines

For example, víctoría looked at a pícture of a bírd and wrote the following,

Isee	Ithink	1 wonder
a bírd	bírds do not	íf bírds have ears.
feathers	haveears	if birds have
claws	bírds have very	senses.
eyes	good eyesíght	Are bird's feathers
taíl		thíck or thín?
beak		How do bírds find
		their food?





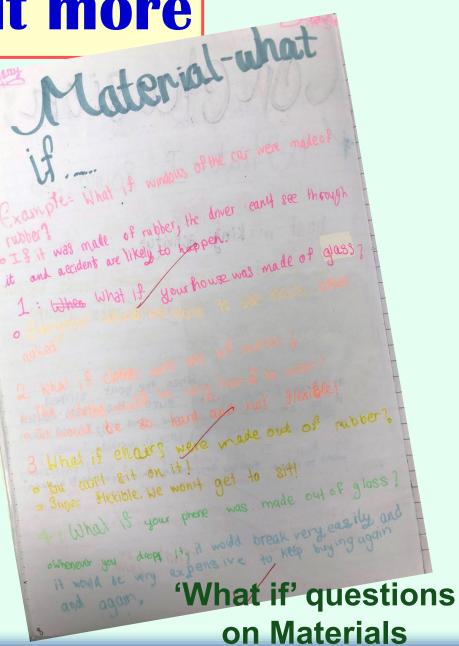
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bb:	servation #3	A	
-see			
I. It looks	The Sage	fruit	
2. It looks Ti	ka a hun mill		
3. It looks cr			
1. It feels, spi		Wonderful	
1. It feels spi	key	observations and	
LIT is hard	a dried flower	documenting of it. I enjoyed reading	
	a unen tiower	your entries!	
3-hear	11 1		
2. I hear hulas	in it	a rock	
3. I hear a lou	in it sound from	it south -	
5 . 11		-	
I. It smells	like pepper	Use of	5
2. It doesn't	have a nice	smell	
3. Its smell	15 disgusting	senses f	or
Reflection		observati	ion
The most	important	thing I karnt	
Observations. W	le should expla	thing I learnt te any easy re deeper,	
	yes, y	autre right!	
Thanks for your reply 	If we just ri	ou think we can do it? ght It feels like a	
Include details, and make,	flower. That	is not enough! We	
your thinking visible by	chould write feels like a	e like which part of it which part of a loss it feel like a flower,	
contrag it down: way to go!	flower and how d	loes it feel like a flower,	

2) Pose questions to find out more

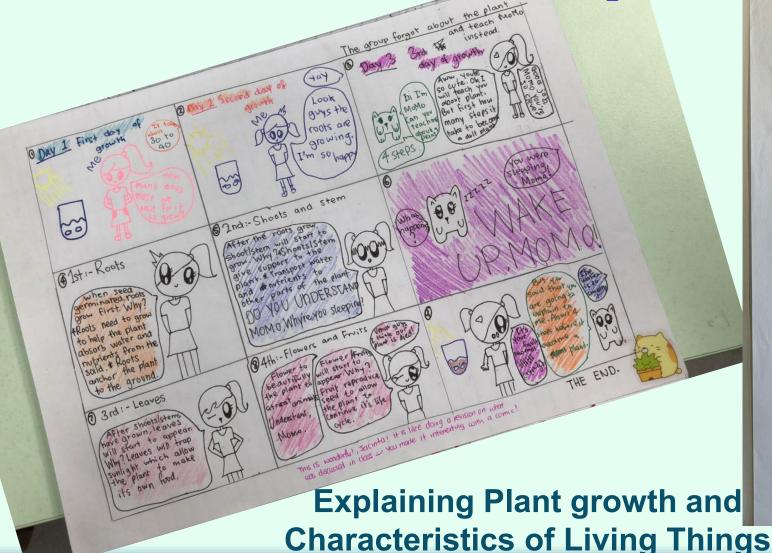
Questions!
CMESTO DE
1 made of
1.) - What is a set of with names of materials?
1) - What is a squisby realized with names of materials? 27 - How did people come up with names of materials?
two materials to see
3) - Can ded markerials?
4) -Where can you find materials?
s.) - Is materials everywhere?
s.) - Is made and a produce?
() - Where does materials produce?
7) What kind of Pabric is mostly used?
8) - When was materials named?
8) - When was material
9)-Who is the material producer?
in poise
9) - What material is a magnet made of?
n) = What are instruments made of?
(2) - What is a light bulb made of?
13) Are all materials waterproce
101 Lind are fireproof?
14) Are there any materials that are fireprove?
15) Are metals bulletproof?
13) the metals valie from

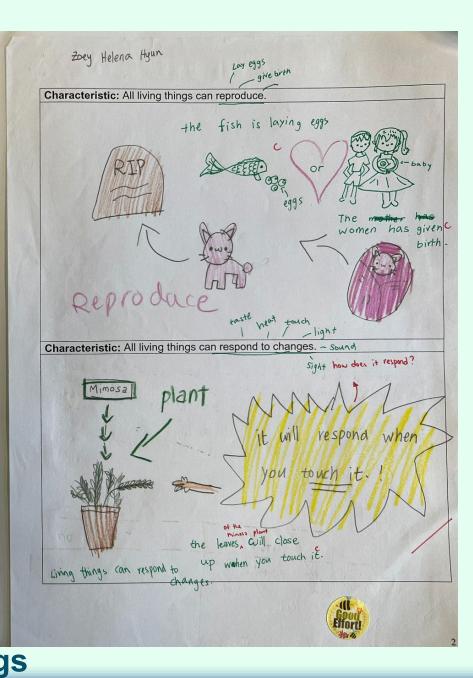
Questions posed on Materials & Animals

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		0.1						
	Name:	Aimee	(1)					
(1) Parent's signature:								
	Self-Assessment on: Diversity- Living and Non-living things Choose the level that describes how well you have understood each of the Science ideas. Levels Descriptore							
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	Levels	Descriptors			in of the Science ide	as.		*
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		r nave understoo	od this Science ide	a the least /1 d	-			
1	2	I have some une	derstanding about	inder. (1 de	in't get it)			
T	3	I have understop	during abou	t this Science ide	a. (I partially get it	1		
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2	l can	describe the		ng things,		1	2	3
3	-	the the cha	aracteristics of non	-living things			1	1
3.	Ican	describe the sim	ilarities and diff	o uniga.				
4.	Skill	1.000 #	ilarities and differe	inces of plants ar	d animals.			\sim
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5.	Skill: I	can make some	g senses like sense uch and sense of t measurements in	aste in making of	of smell, sense		-	
L			ineasurements in	my observations	cervations.			V
a) One	importan	t Science idea L	eve learnt about Liv					
things		e de la	ive learnt about Liv	ing Things is the	5.0.0			~
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	y own	(liok one).	T					-
	yown		by asking my					
		~	friend	MT Ser S	by asking my teacher			
c) Write d	own or dr	BW what way h			teacher			
		man you have	learnt after you hav	e carried out step	(b)			
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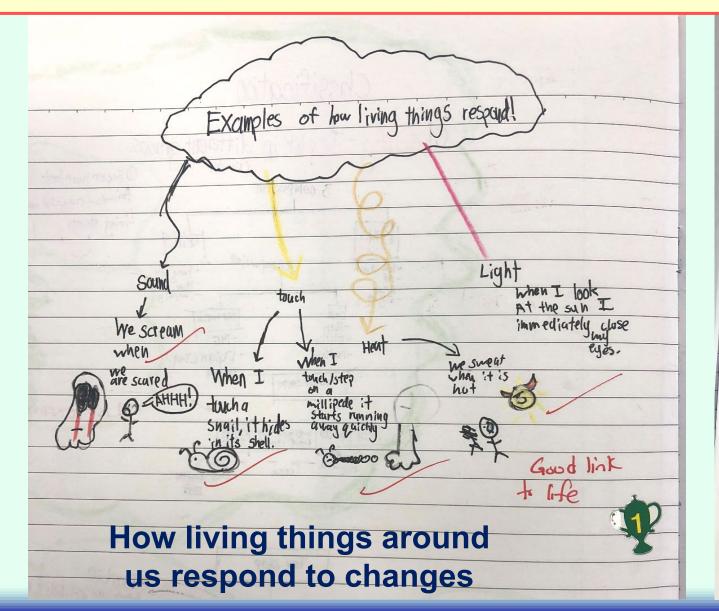


3) Explain thinking using relevant science concepts





4) Link science learning to life



Use of Magnets in everyday objects!

1.) List down at least 2 objects. 2.) Explain how the magnets work in the objects.

1.) Microphones Scrap yard cranes cameras refrigarator rollercoaster satellight microwave speakers Credit Cards Maglev train



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 off the track.

The Stripe on the back of a credit card is a magnetic stripe, often called a magsfripe is made up of tiny iron-based magnetic particles in a plasticlike film. Each particle is really a very ting bar magnet about 20 million the of an How magnets are used Inch long. in things around us

5)Reflect on their learning

Thesday Birds reprod Laging tag examples 10 note: dolphins and whater are of birds: humingbird, 10TO Their bodies fish as they do no woodpecker to braine, they Mart have a breathe eagles porter covering to most Head Thoras Porn Their bodies Froduce are divided nimals insects Abd their soung into. 00% Insects Insects have reproduce some live on land ter while others live in wat three parts of Eulent which may lagin by 299 of mammale xamples mammals humans, elophants have hairon their bodies Character 15 Lic. high live in un Breathe through mill Have find to 1 2 Wim Most fig h reprodu . . 0 escamples @ fish of lownfishy goldfish

Drawing a Mindmap on Animals

Science Weighted Assessment @ P3

	Term 1	Term 2	Term 3
Base Mark	20	30	30
Weightage	10%	15%	15%
Schedule	17 Feb-7 Mar	28 Apr -16 May	4-22 Aug
Format	MCQ, Structured Questions	MCQ, Structured Questions	MCQ, Structured Questions
Duration	30 min	40 min	40 min



P3 Science End-of-Year Examination (EYE) Format

	Term 4	Duration: 1 h 30 min				
Weightage60%Schedule23-29 Oct		Booklet	Type of	Number	Marks	
			Questions	of Questions		
		A	MCQ (2 marks)	24	48	
		B	Structured (2-5 marks)	10-11	32	
		TOTAL	TOTAL	34-35	80	

FAQs on learning Science...

- 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. Simply memorising words without understanding won't help much.
- Do I need to give my child spelling for Science?
 - > No.

Partnership with Parents

How can you help your child?

- Monitor their homework and gradually guide them towards taking ownership of their own learning.
- ✓ Encourage them to:
 - Read Science materials such as books and magazines or watch Science documentaries.
 - $\checkmark\,$ Pose questions and explore answers independently.
 - ✓ Create Mind Maps to summarise their knowledge.
- ✓ Help them observe the world around them and relate their observations to the Science concepts they learn in school.
- ✓ Most importantly, be encouraging and supportive!





Thank You

