

# Science@BTPS

To nurture Every Child to be a Selfdirected Inquirer of Science Around Us

P6 Science Parents Briefing 2022

## **P6 Science Assessment**

Term	Assessment	Topics Tested
1	Continual Assessment	Energy book All P3-P5 topics
2	Semestrial Assessment	Energy Book + Interactions Book (Ch1 to Ch 3) All P3-P5 topics
3	Preliminary Assessment	All topics from P3-6

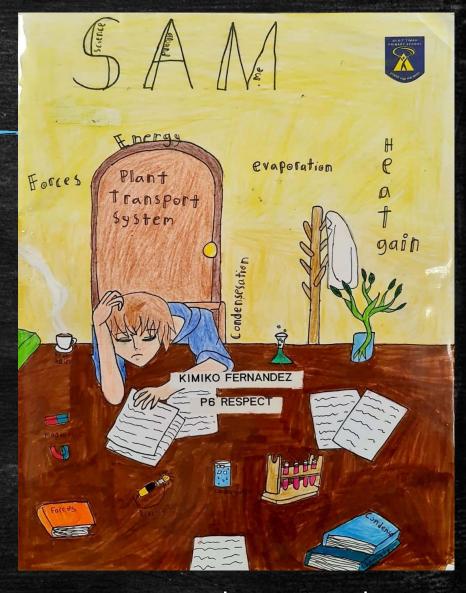
## **P6 Assessment Format**

Duration: 1 h 45 n	Total marks	
MCQ	28 Qn: 2 marks each	56
Open-ended	12-13 Qn: 2-5 mark each	44
Topics	All topics from P <sub>3</sub> -P <sub>5</sub>	100

Duration: 1 h 15 m	Total marks	
MCQ	18 Qn: 2 marks each	36
Structured	6-7 Qn: 2-3 marks each	14
Open-ended	5-6 Qn: 2-4 marks each	20
Topics	All topics from P <sub>3</sub> -P <sub>5</sub>	70

### P6: Science Programme

- Inquiry-based Learning Approach
- SAM Journal > Document learning, Important
   Science Words
- Tackling OE Questions using CER approach
- Formative assessment: Topical Checklist, CRI, Examination Review
- Revision: Topical papers, Exam Practice, PSLE Booklet (Std & Fdn)



Kimiko Fernandez 6 Respect 2021

### Topical Checklist and Examination Review

#### Self-Assessment on Reproduction Process in Humans and Flowering Plants

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

Levels	Descriptors
1	I have understood this Science idea <b>the least</b> . (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 <b>very well</b> and can explain it to my friend. (I get it)

· 	Science ideas and Skills		Levels		
No.	Science ideas and Skills		2	3	
1.	I understand that living things reproduce to ensure continuity of their kind.				
2.	I can state the characteristics of an organism that are passed on from parents to their off-spring.				
3.	I know the process of fertilisation in the sexual reproduction of humans.				
4.	I understand the process of pollination in the sexual reproduction of flowering plants.				
5.	I understand the process of Fertilisation in the reproduction of flowering plants.				
6.	I understand the process of Seed Dispersal in the reproduction of flowering plants.				
7	I the second				

### Primary 4 Science SA1 Review 2019

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

#### Process Skills: Observation and Classification

Pupils were able to identify living things and non-living things (Q1). They were able to identify the characteristics of living things based on the data given (Q2). Pupils were able to identify the correct property of material based on the bar graph given (Q4). Pupils can identify life cycles of the animal that they are required to know and stating similarities or differences based on the diagram given (Q5 and Q6). Pupils were able to identify how a seed germinates (Q12) and what happens as it grows from a seedling to an adult plant (Q7 and Q9).

They were able to identify a non-example of matter (Q13) and understand the properties of matter (Q14). Pupils were able to conclude the characteristics of solid, liquid or gas in a given set-up (Q15, Q16, Q17 and Q20). They were able to identify that digestion ends in the small intestine (Q24).

They are generally able to read flowcharts and tables by using the information for answering of the question (Q11, Q27 and Q28).

#### Science ideas that need review:

Areas for Improvement Answers Given		Learning Point				
Incomplete explanation						
007 14 11 (4: /1: -1)	// 5 -1	(1) 5 -1 11 1 111 1 .				

## Certainty Response Index

**Bukit Timah Primary - Certainty of Response Index (CRI)** 

**CRI 1**: Wild Guess **CRI 2**: Reasonable Guess

**CRI 3**: Fairly Sure **CRI 4**: Sure

Qn	CRI 1	CRI 2	CRI 3	CRI 4	CRI 1/2 Correct	Action to be taken
1						

## C-E-R Framework McNeill & Krajcik (2012)

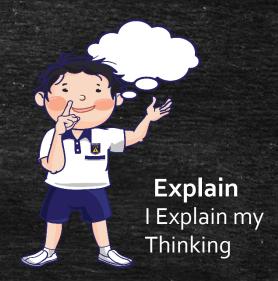
- Claim
  - the answer/conclusion about a problem
- Evidence
  - Scientific data (information/clues) in the question that is appropriate to support your claim
- Reasoning
  - Justification using scientific concepts



**Engage**I Pose Questions



**Explore**I Actively
Look for
Answers



## 5 Learning Behaviours



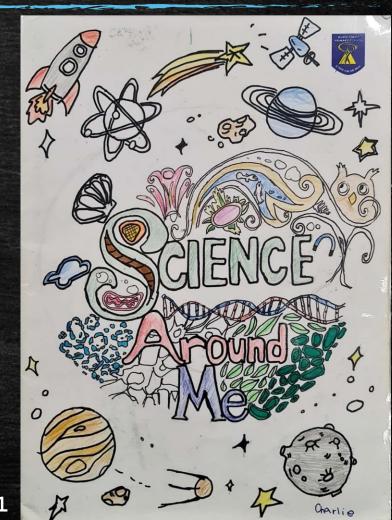


**Evaluate** I Reflect on my Learning

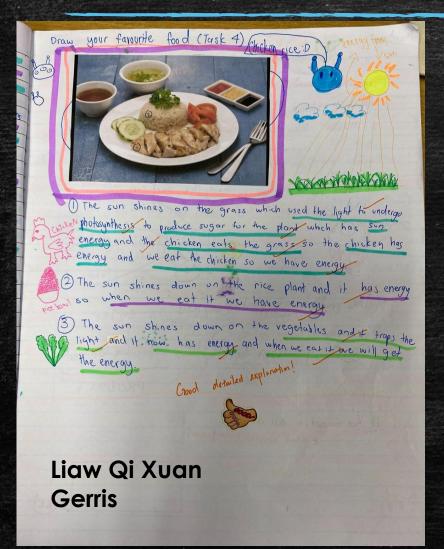
## 4 Things we want to see in the Journals

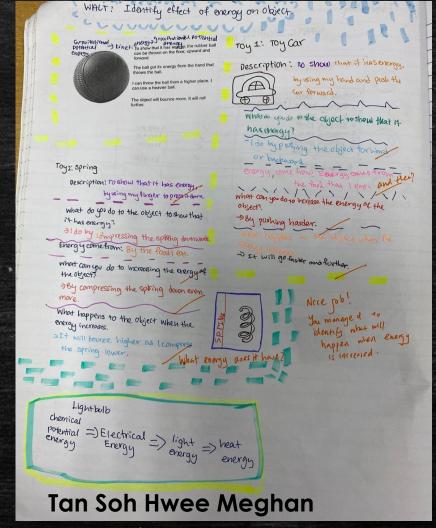
- 1) Strives for the best
- 2) Poses questions to find out more
- 3) Explain thinking using relevant science concepts
- 4) Links science learning to life

Cho Chan Hyeong 6 Adaptability 2021



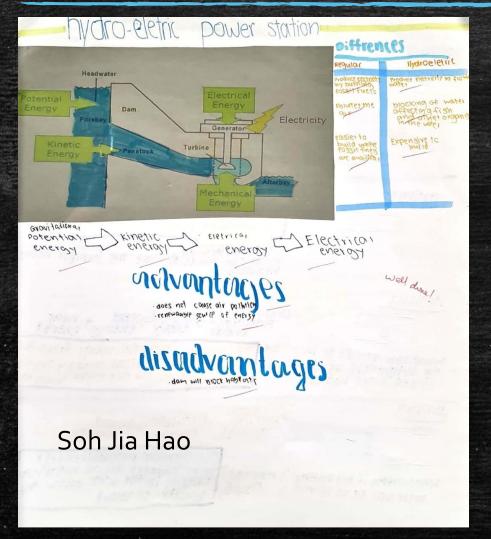
### 6 Graciousness 2021 - Best Entries

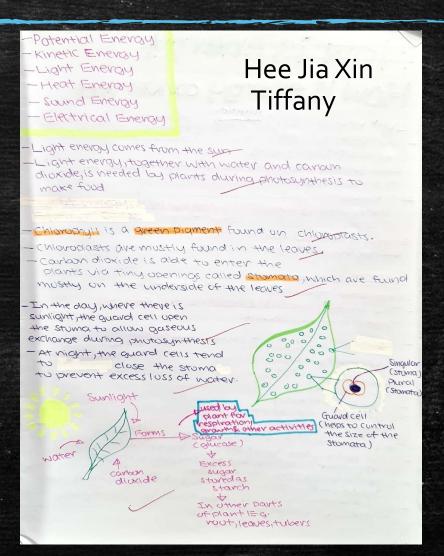




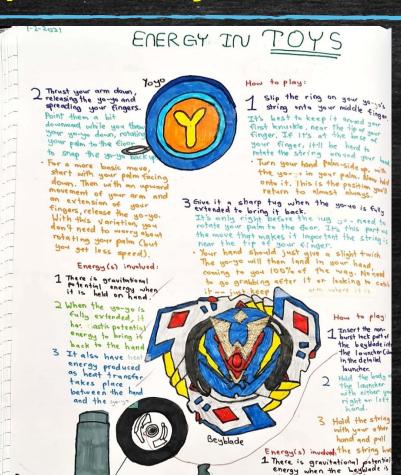
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## 6 Respect 2021 - Best Entries





### 6 Adaptability 2021 - Best Entries



3 When the beyblade

launcher's string is extended, it will

Launcher

ADAPTATIONS

understand what is an adaptation. identify the examples of adaptations in different living things

No.	Animal	How do they adapt to the environment
1	Gerenuk	Hip joints are so flexible that its backbone can swive until it can stand up, Completing onlys backlegs to track the food. Onlein position, flooring brands its finder nead and bendy tongue floore the final lakes between the A
2	Polar Bear	· Intu have a thick coot of fur made up of nollow hairs with Kep them worm and enable them to stay a float.  Small cars help kept the noter but and step their card runs from freezing.  I that long hairs between the pads on their feet help themas; p the ice.
3	Venus Flytrap	Leaves of theplant help it survive in soils whichdon't have many nutrients. Plant is able tuget extra nutrients from the injects it catchec and digests.
4	Penguin	They have the types of feathers. They have a thick, outer feather which works like a rain coat, it keeps the water out. They also have a thick, downly coat underneath that uterlayer and that keep air trappod inside and steps them really well insulated so they can survive extreme temperatures in the Antaris (*)

### PHYSICAL ADAPTATIONS :

Gerenuk - Hipjoints are so flexible that its backbone can swive until it can stand up completely on its backlegs to reach food .

Polar bear - thick fur to keep it warm during winter venus fly trap - leaves of the plant will close when insect is

penguin- Have 2 types of feathers .

Behavioral

. Gerenuk - stands on its hind legs to reach found Adaptations · Polar bear - very strong swimmers

venus fly trap - digest insects it conches for nutrients penguin - stay close tugether to keep warm.

Davina Long Xue En

Chin Lok Hee

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attached to the launcher.

2 When the beyblade lands i the stadium, there is a

sound and the beyblade sp

There is sound energy and

kinetic energy. Ako, heat

### 6 Compassion 2021 - Best Entries

### The Letter

Dear British Divers,

Thank you for risking your lives to save someone that wasn't even your own race, or from your own country. You were brave and strong and went into the cave without hesitation, willing to help to the best of your abilities. 2 of you, John Volanthen and Richard Stanton, helped to play a major role in the rescue as you located the boys and called for help.

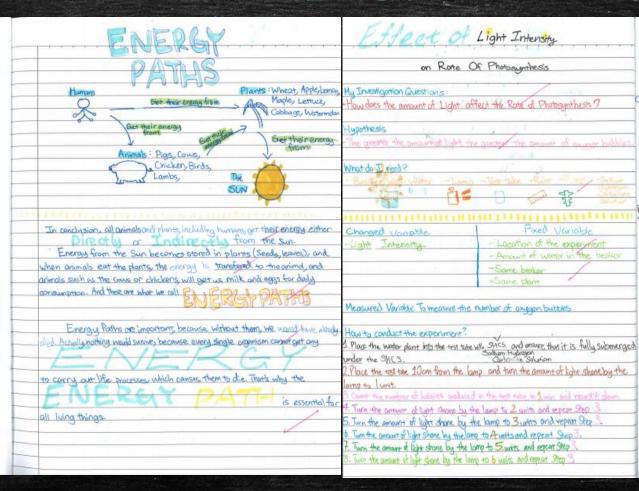
Congratulations, for receiving your Pride of Britain 2018 award for "Outstanding Bravery". The rescued children also attended, so were you happy to see them back in shape? 7 of you received prestigious prizes, Stanton and Volanthen receiving the George Medal; Jewell and Mallinson receiving the Queen's Gallantry Medal; and Josh Bratchley, Connor Roe, and Vern Unsworth being appointed as Members of the Order of the British Empire. Congratulations!

Here's some fun facts, did you know that there was only one English-language speaker and he communicated with Stanton and Volanthen, did you know that the eldest of the team, Night, celebrated his birthday while trapped in the cave? The assistant coach was also a former monk!

I hope I have given you a good laugh and brought up your spirits if you are feeling down. Once again, congratulations and a big thank you.

Warmest Regards,

Coursely and cours



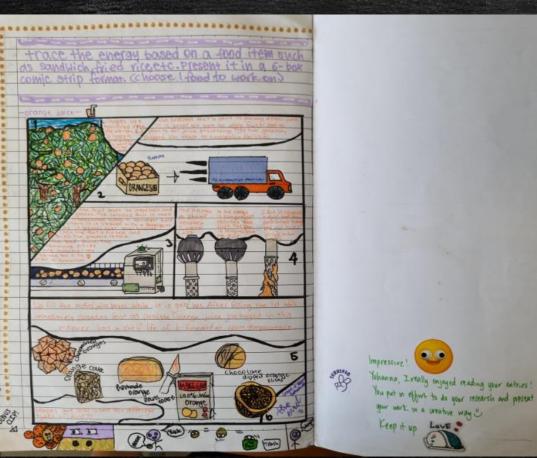


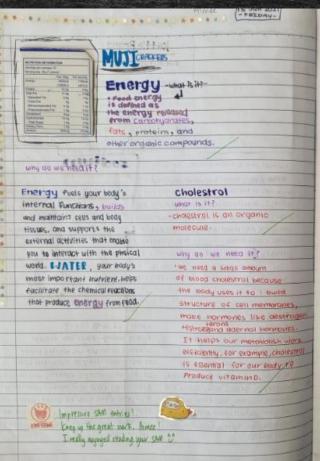
Based on the data, the number of oxygen increased when the light intensity increased. This means that the rate of photographesis increases when the light intensity increases.

Ryan Wang

## 6 Integrity 2021 - Best Entries

### Yohanna





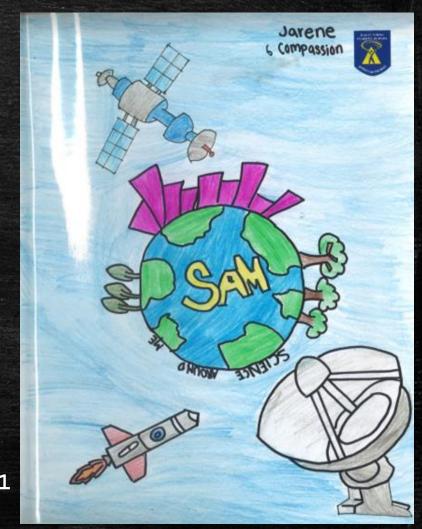


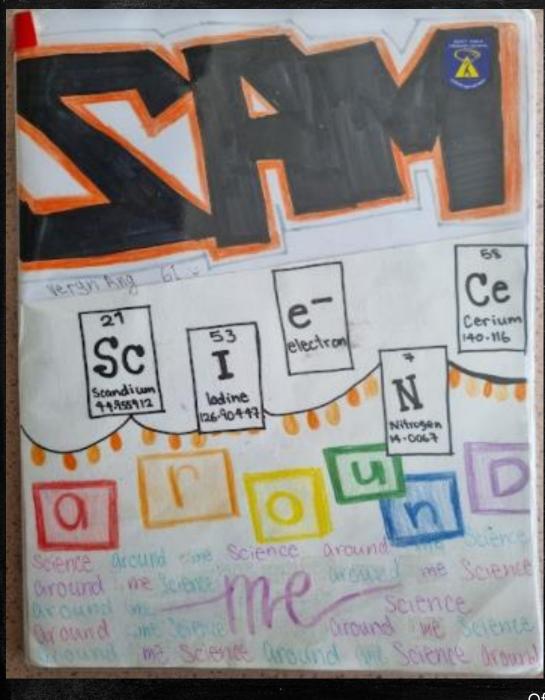
Aimee

## How to support your child?

- Revise the concepts in textbooks.
- Do MindMaps to sum up knowledge
- Look through the exam/practice papers done in P5/P6.
- Encourage them to ask questions

Jarene Neo 6 Compassion 2021





Thank you!

Veryn 6 Integrity 2021

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