

# P6 Parent Info Day- Science



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# Agenda

- Department Vision
- Aims of Primary Science Syllabus
- Topics covered in P6
- Assessment
- Science Inquiry Learning Process
- PSLE Prep Resources
- List of resources available
- Outing to Lee Kong Chian Natural History Museum
- How can I help my son?



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# Department Vision

Inquisitive Learners,  
Collaborative Innovators



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# Aims of Primary Science Syllabus

Provide students with experiences/ opportunities to:

- build on their interest and stimulate their curiosity about themselves and their environment
- acquire basic scientific concepts to help them understand themselves and the world around them
- develop skills, dispositions and attitudes for scientific inquiry
- apply scientific concepts and skills in making responsible decisions
- appreciate how science influences people and the environment



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# Topics covered in P6

Term 1	Term 2	Term 3	Term 4
Energy and the Sun	Forces	Revision & Preparation for Prelims	Revision & Preparation for PSLE
Forms of Energy	Man & The Environment		



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# Assessment

- Topical Review after every topic
- Weighted Assessment in Term 1
- Weighted Assessment in Term 2
- Prelims in Term 3
- PSLE in Term 4



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# Exam Format

Time: 1 h 45 min			
Booklet A	28 MCQ	2 marks each	56%
Booklet B	12 Open-ended	2, 3, 4 or 5 marks	44%
Total	40 Questions	100 marks	100%



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# Science Inquiry Learning Process



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# Stages of our Learning Process

1. Self-directed Flipped learning
2. Hands-on learning through guided and open inquiry.
3. E-practice, MCQ-OEQ practice
4. Topical Reviews
5. Consolidation and Extension



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# Stage 1: Flipped Learning

- Boys access Student Learning Space (SLS)
- Reference to Textbook and Revision Guide provided - boys to take responsibility and read up on their own
- Online videos for boys to watch, some educational apps to facilitate learning
- 'Key Concepts' to answer (immediate feedback)
- In class, teacher consolidates learning by going through the key concepts and the boys play 'Quizizz' to reinforce these



## 1. Student's Preparation: Reading Up



1. Read P5 & 6 Revision Guide Pages 155 to 170.
2. Read P5 & 6 Energy Textbook Pages 11 to 36.



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Q1: A simple electric circuit is an example of a system, consisting of a  , wires and a light bulb. A  can be added to open or close the circuit.

My Response	Correct Answer(s)
<input type="text" value="answer"/>	<input type="text" value="battery"/>
<input type="text" value="answer here"/>	<input type="text" value="switch"/>

Your answer has been submitted.

Q2: The battery is the  source of the circuit. It has a positive end and a  end.

My Response	Correct Answer(s)
<input type="text" value="power"/>	<input type="text" value="energy"/>

Your answer has been submitted.

Q3: Wires provide a  for electricity to flow. They are usually made of  and covered up in plastic.

[Feedback](#)

- [Introduction](#)
- [1 Student's Preparatio...](#)
- [2 Flipped Lesson: Bill ...](#)
- [3 Key Concepts Quiz](#)
- [4 Kahoot](#)
- [5 Bag of Tricks](#)
- [6 Hands-on Activity 1: ...](#)
- [7 Hands-on Activity 2:...](#)
- [8 Hands-on Activity 3:...](#)
- [9 Hands-on Activity 4:...](#)
- [10 Extension 1: Virtual ...](#)
- [11 Hands-on Activity 5:...](#)
- [12 Hands-on Activity 6:...](#)
- [13 E-Practice: MCQ](#)
- [14 E-Practice: Open-en...](#)
- [15 Extension 2: Is the ...](#)
- [16 Activity Book Pdf](#)



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# Stage 2: Hands-on Activities (in Class)

- Teacher conducts hands-on activities.
- The focus of this stage is on critical and creative thinking, scientific procedures, discussion, eliciting varied responses and accounting for learning through various forms (e.g written work, drawing pictures, modelling).



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# Hands-on Activity 2: The Bumper Coaster

Lesson: P6 Forms of Energy (6JO)

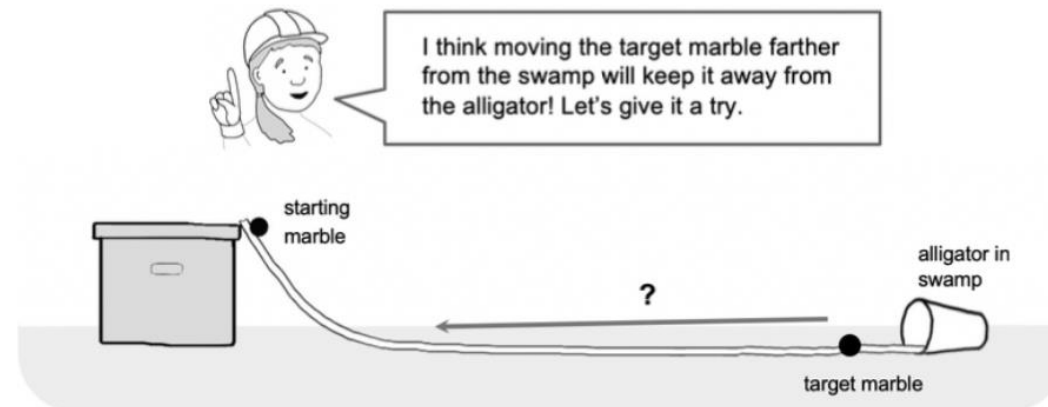
## To be done at home

Watch a [video](#) for some background knowledge.

Your teacher will guide you through the activity.

Pay attention so you will know how to carry out the investigation.

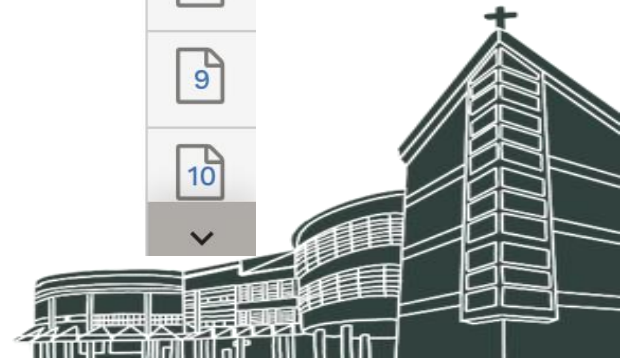
### PART 1: Moving the Target Marble



Feedback

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# Stage 3: E-Practice & MCQ/OEQ

- E-practice exemplars are available on SLS. After the questions have been attempted, the correct answers are immediately revealed.
- MCQ/OEQ booklet will be uploaded on Classkick. Teacher will (in class) go through the questions that have been poorly attempted. The answers given by the students will reveal common misconceptions that the teacher will address with the students in class.
- Students should leverage on the E-practice and MCQ/OEQ booklet to review their answers and prepare for the Topical Review.



# Stage 3: E-Practice & MCQ/OEQ

- Classkick
  - Allows an assignment to be simultaneously accessed by students and teachers.
  - Neater (electronic filing).
  - Allows for PDF archival, download and printing (if necessary).

## Guide for Parents

- How to check on the assignments
- How to export to PDF for archival
- [https://drive.google.com/file/d/1vig\\_3g0jnCTOGX\\_I-S1OQnbSRXsl-9BI/view?usp=sharing](https://drive.google.com/file/d/1vig_3g0jnCTOGX_I-S1OQnbSRXsl-9BI/view?usp=sharing)



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# E-Practice: MCQ

Lesson: P6 Forms of Energy (6JO)

This section lets you practise how to recognize and give examples of the various forms of energy (kinetic energy, potential energy, light energy, electrical energy, sound energy and heat energy)

**Q1:** What form(s) of energy does the bob of a swinging pendulum have?

- ☐ Kinetic energy only
- ☐ Potential energy only
- ☐ Kinetic energy and potential energy
- ☐ Kinetic energy, potential energy and heat energy

SAVE AS DRAFT

SUBMIT



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# Stage 4: Topical Review

- 40 marks; 50 minutes
- Assessing the understanding of concepts as feedback for teachers so that they can adjust their teaching
- Marks noted by teachers but not keyed into exam system. Please sign to acknowledge on each of these topical reviews.



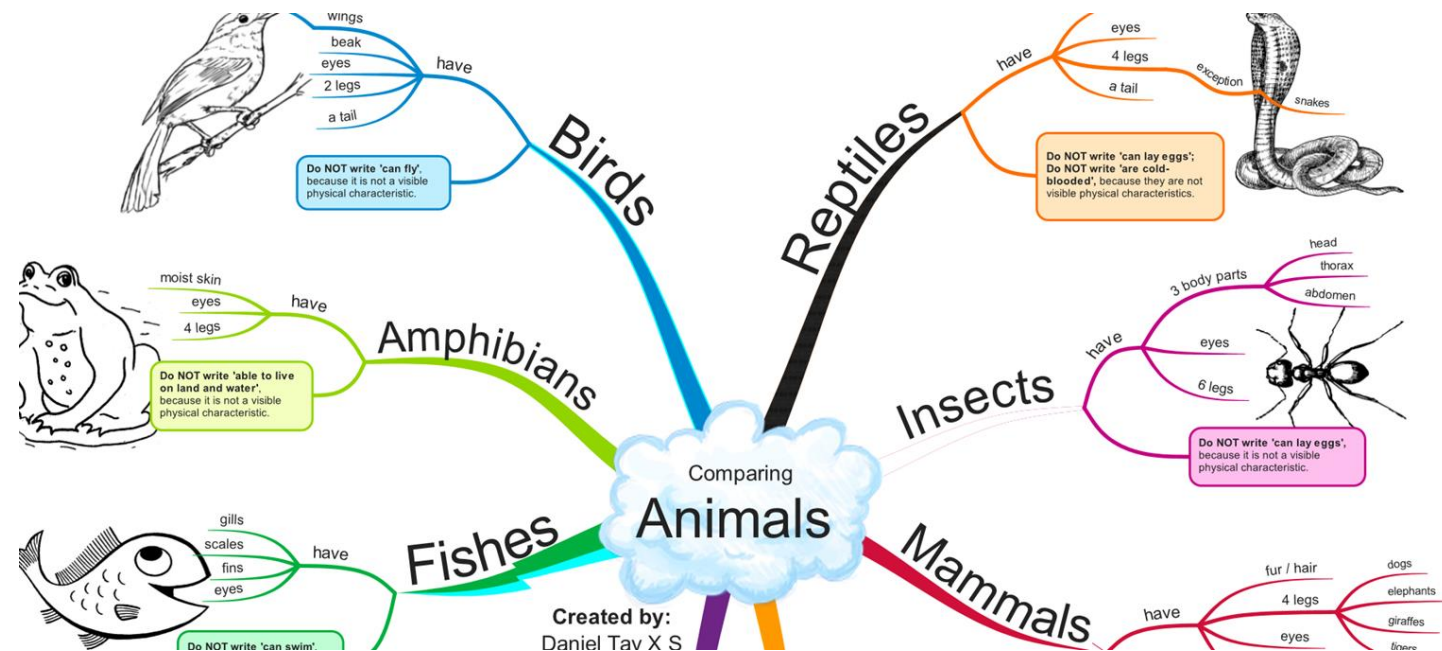
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# Stage 5: Consolidation and Extension

- Mindmaps
- SLS: Extension investigations and activities



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# PSLE Prep Resources

Covered in class:

1. PSLE questions by the topic (2013 to 2018)
2. PSLE past year papers
3. Prelim past year papers
4. Get-that-A-star worksheets (techniques for answering certain types of questions)

May not be covered in class

1. Some PSLE & Prelim Companion Packages (on SLS)



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# List of Resources

- Science Textbook and Revision Guide
- Classkick- Activity Booklet and MCQ/OEQ
- SLS Resources (Flipped Learning, videos, key concepts, e-practice, extension activities)
- For P6: Science Student's Handbook (aka HANDSOME Booklet)- given in P5 Classkick (please request from Science teacher if you did not get a copy)



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# Outing to Lee Kong Chian Natural History Museum



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# How can I help my son?

- Ensure that he has access to
  - Student Learning Space (SLS)
  - Classkick (log in with sjijunior Google account)
  - Google Classroom

Please inform the teacher if he needs a password reset



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# How can I help my son?

- Ensure that he is a responsible self-directed learner and completes his flipped learning homework, key concepts, and E-practice and extension investigations.
- Ensure that he studies for his topical review. After the paper has been returned, that all corrections are done properly and handed in on time.
- Make use of all the PSLE prep resources provided.



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# How can I help my son?

- Be encouraging and patient when doing revision with him. Be a coach!
- Watch science programmes (e.g National Geographic on YouTube) with him and encourage discussion.
- Do hands-on activities at home (refer to SCI resources page).
- Use “teachable moments” when going to the parks etc...
- Manage the device; ensure it is **for learning**.



# Thank You



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