

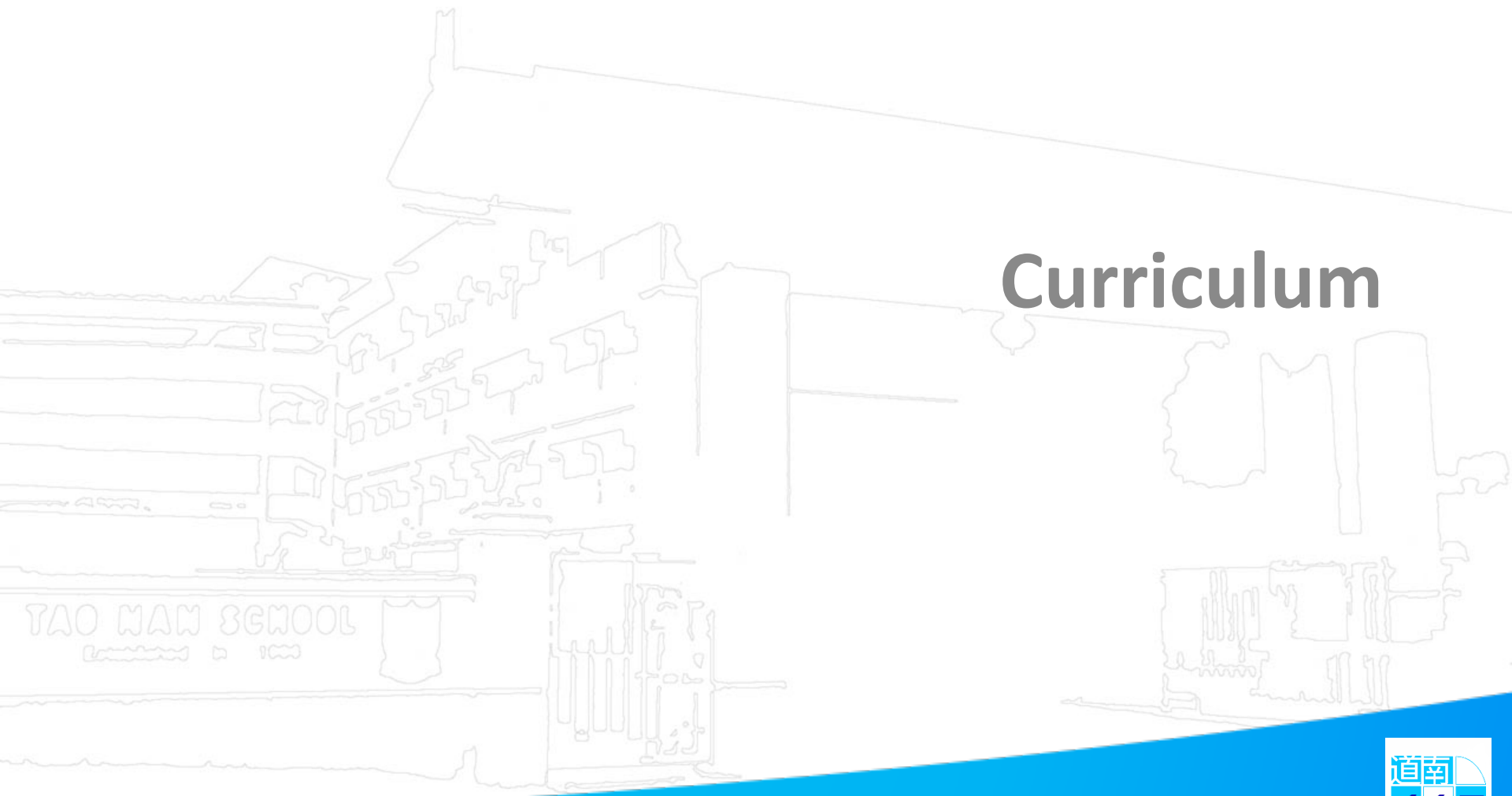


2022 P5 Science Curriculum Information





Curriculum



Themes and Topics Covered in P5

Theme	Topic
Cycles	<ul style="list-style-type: none">• Reproduction in plants• Reproduction in humans• Water and changes of state• The water cycle
Energy	<ul style="list-style-type: none">• Energy in food (Photosynthesis) <p><i>Please note that the rest of the topics in the Energy Theme will only be covered in P6.</i></p>
System	<ul style="list-style-type: none">• The plant transport system• Air and the respiratory system• The circulatory system• The unit of life• Electrical system• Using Electricity





Pedagogy



Teaching Strategies

- **Inquiry-Based Learning approach (IBL)** incorporating **Differentiated Instructions (DI)**
- **L.A.S.E.R.** program
- **Teaching Resources** from Internet, PowerPoint slides, Science-based videos and Science Simulations.
- **Hands-On Experience**
 - ✓ Laboratory Experiments
 - ✓ Outdoor experiential learning experiences
- **Learning Journey**
(Subject to COVID-19 SMM)



Inquiry-Based Learning

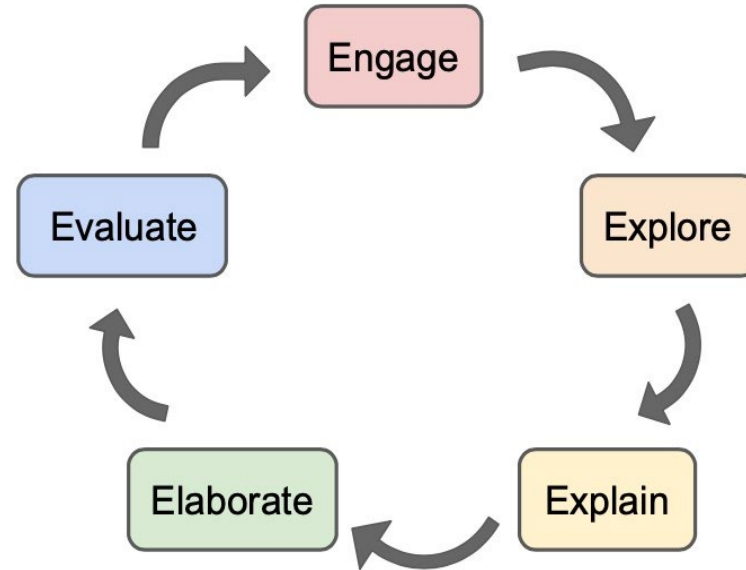


Figure 1: 5Es in Inquiry-Based Learning

Inquiry-Based Learning (IBL) approach is adopted in the learning of Science. The process of [inquiry](#) is facilitated by teachers who would help students make connections and build their understanding of Science concepts using the 5Es – Engage, Explore, Explain, Elaborate and Evaluate.

L.A.S.E.R. Program

- **L.A.S.E.R** stands for **Learners' Assembly for Science Examination Requirements**
- **Progressively equips** students with strategies and techniques to handle examination questions **from P3 to P6**
- **Exposes** students to different question types and problem stimuli.
- **Empowers** students with necessary skills and knowledge to understand and answer examination questions proficiently.
- **L.A.S.E.R.** worksheets would complement the PowerPoint teaching slides used in the classroom .



Materials used

- My Pals Are Here Textbooks & Activity books
- Topical Science Notes
- Topical Worksheets
- L.A.S.E.R. Worksheets
- EOY practice papers of previous year





Assessment



2022 Assessment Overview

P5 Science	Term 2	Term 3		Term 4		
	Weighted Assessment 1 15%	Weighted Assessment 2 15%		Practical Test 7%	End-of-Year Examination 63%	
Topics Tested	Cycles Science Process Skills	Cycles (All topics) System (Respiratory, Circulatory System and Transport system in plants)		P3, P4, P5 topics Science Process Skills	20-25%: All P3 & P4 topics 75-80%: P5 - Cycles (All) - System (All) - Energy (Photosynthesis only)	
Duration of paper	40 min	40 min		30 min	1 h 45 min	
Paper/Booklet	Performance Task	Bite-sized Test		Practical Test	Booklet A	Booklet B
Type of Assessment	Open-ended questions (OE)	MCQ	OE	Practical test	Multiple choice questions (MCQ)	Open-ended questions (OE)
No. of Questions	5-8	8	4-5	4	28	12-13
Marks per Question	1-4	2	2, 3 or 4	4 - 6	2	2,3,4 or 5
Total for each booklet	20	16	14	20	56	44
Total Marks	20	30		20	100	
Overall Weighting	30%			70%		
Total	100%					

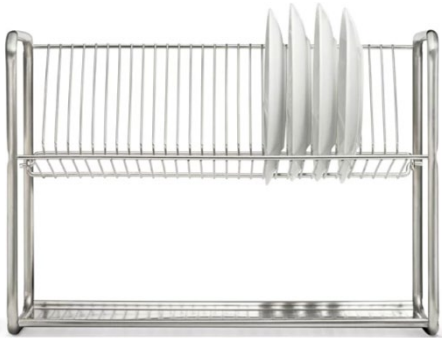




Home-School Partnership

Strategies to help your child

- a) Help your child to be familiar with the concepts/facts of the topics taught.
- b) Point out real life scenarios for your child to apply his/her Science concept.

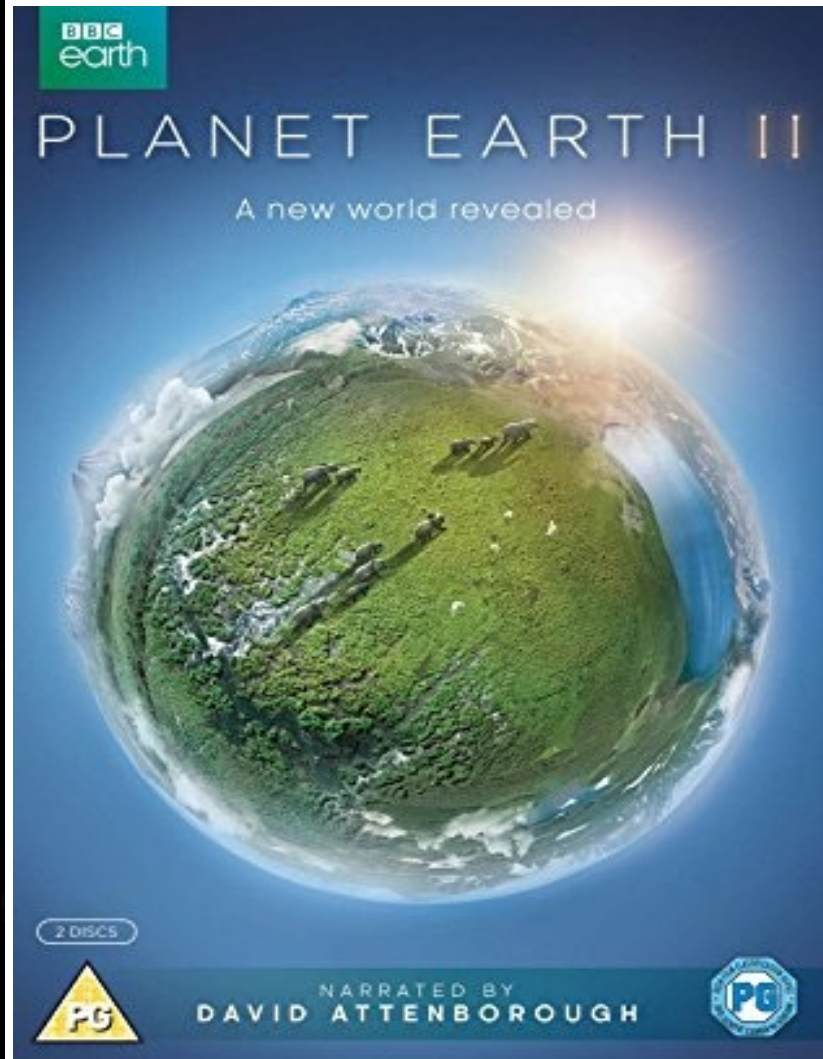
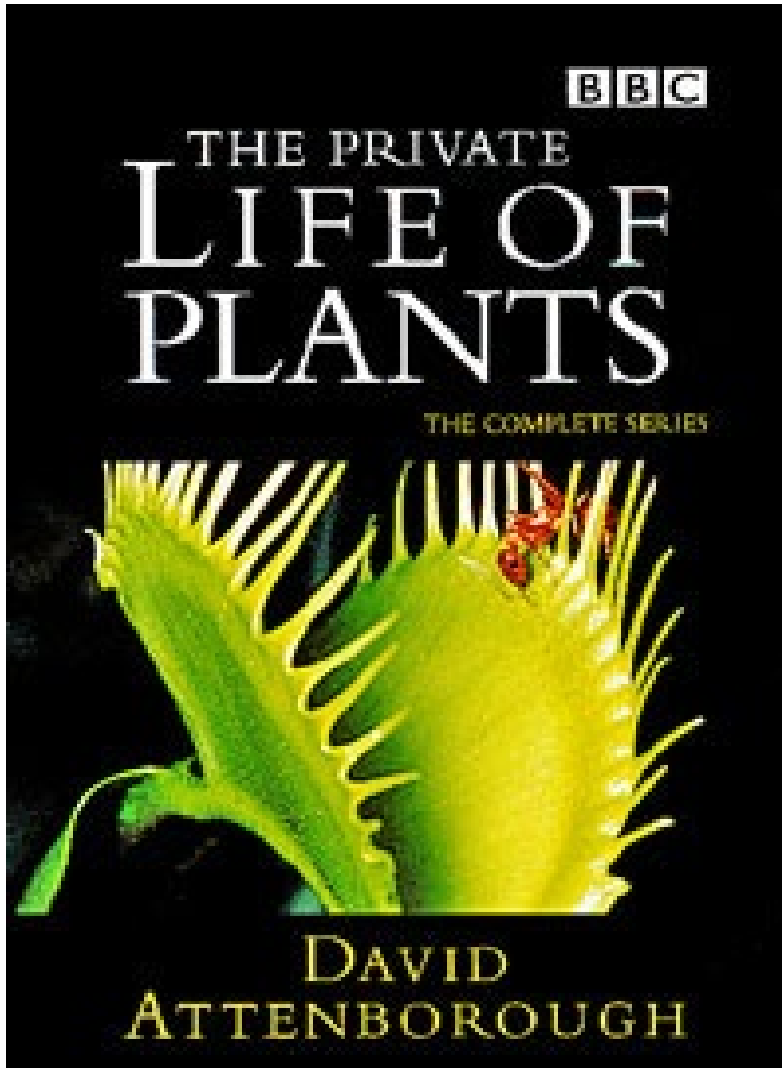


Strategies to help your child

- c) Ensure that all homework is carefully completed and submitted punctually.
- d) Encourage your child to read a wide variety of Science-related reading materials.



e) Encourage your child to watch Science documentaries. (Eg: Animal Planets, National Geographic channels, and other BBC videos)





Thank you.

