2023
P5 Science Curriculum Information

Curriculum

Themes and Topics Covered in P5

Theme	Topic
Cycles	• Reproduction in plants • Reproduction in humans • Water and changes of state • The water cycle
Energy	• Energy in food (Photosynthesis) ***Please note that the rest of the topics in the Energy Theme will only be covered in P6.***
System	• 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**

Inquiry-Based Learning

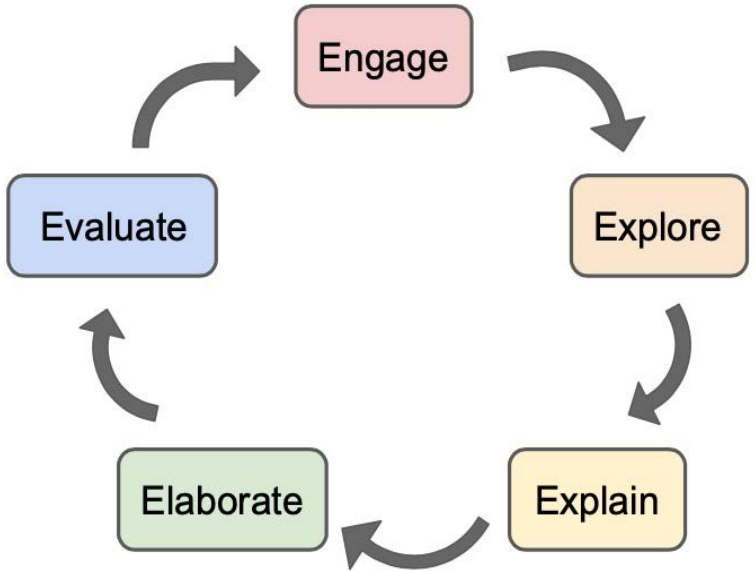


Figure 1: 5Es in Inquiry-Based Learning

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

2023 Assessment Overview

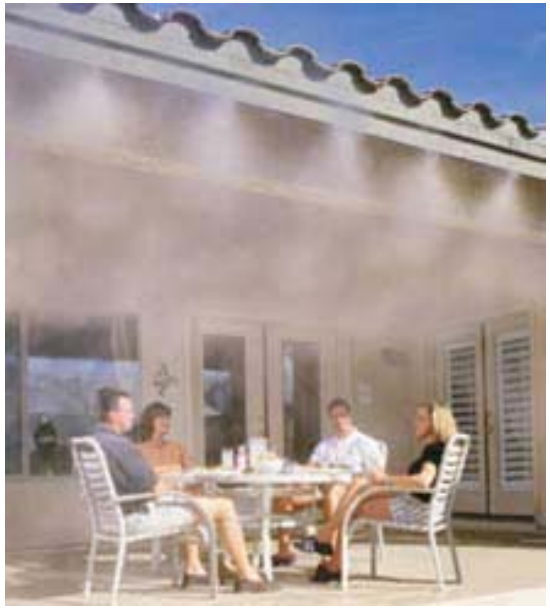
P5 Science	Term 2	Term 3		Term 4	
	Weighted Assessment 1 15%	**Weighted Assessment 2 15%**		**End-of-Year Examination 70%**	
Topics Tested	P5 Cycles (Experimental design)	P5 Cycles (All) P5 System (Respiratory, Circulatory System and Transport system in plants)		20-25%: All P3 & P4 topics 75-80%: P5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

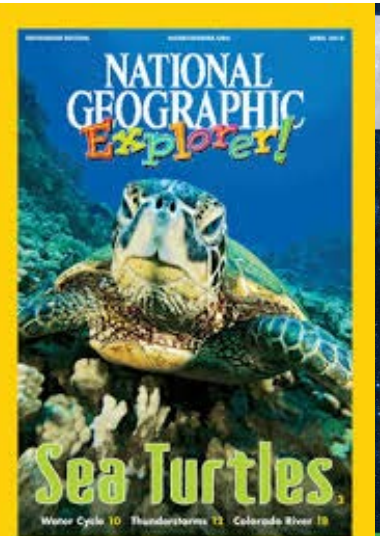
b) Point out real life scenarios for your child to apply his/her Science concept.

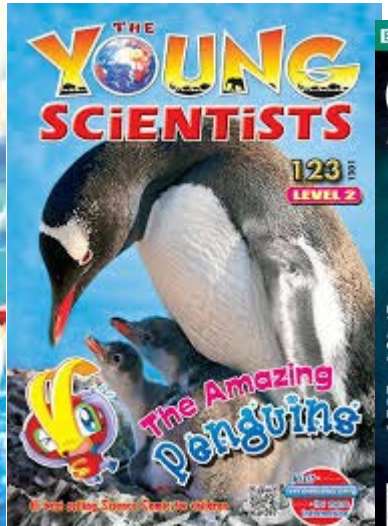


Strategies to help your child

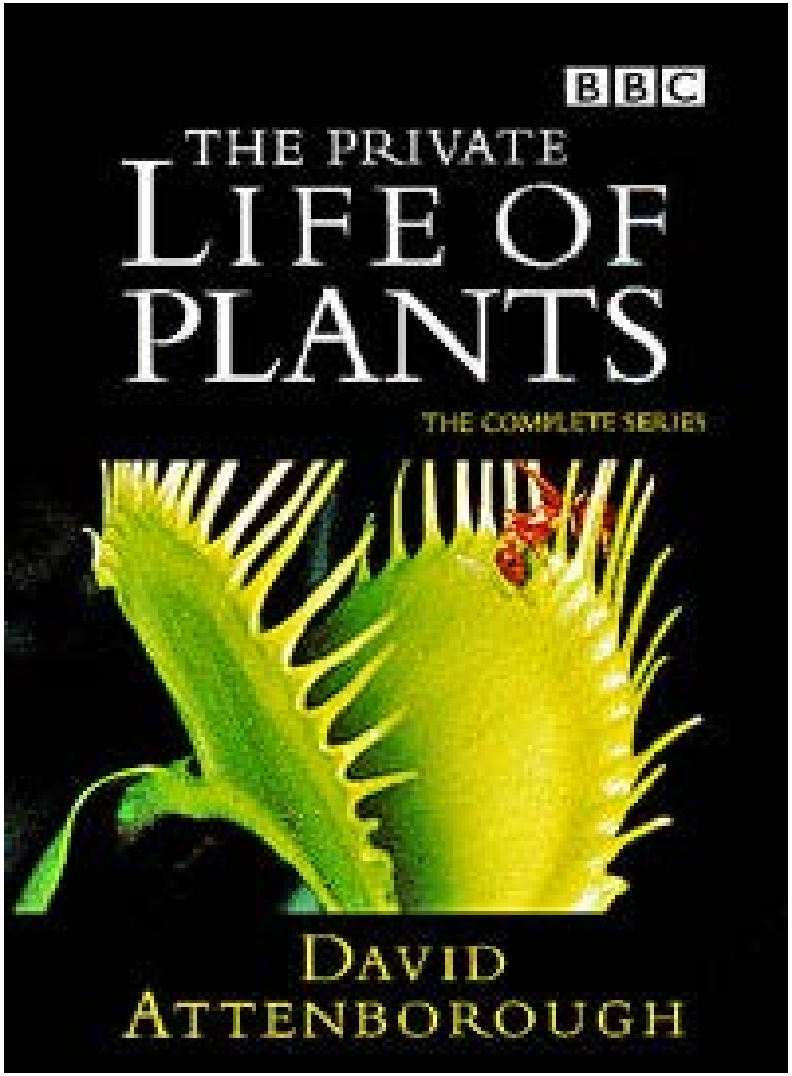
c) Ensure that all homework is carefully completed and submitted punctually.

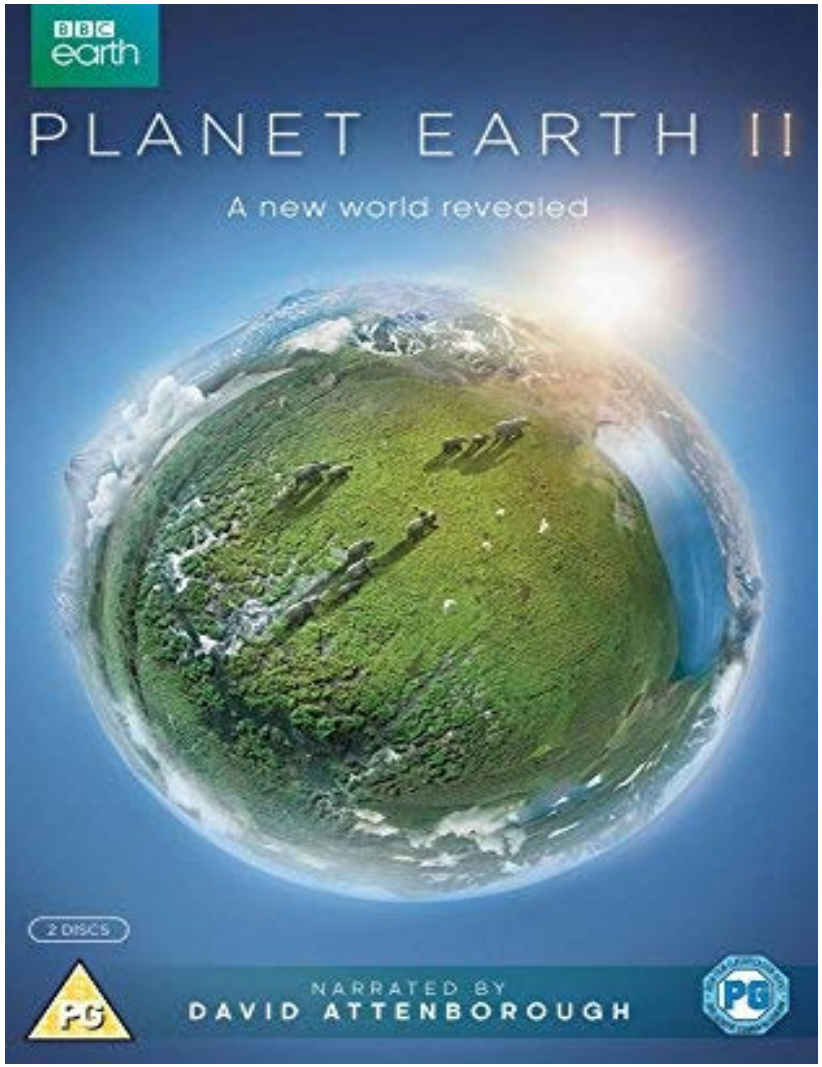
d) Encourage your child to read a wide variety of <u>Science-related reading materials</u>.





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






Thank you.