



# 2024

# P5 Science Curriculum Information



Tao Nan School Science Department

# Vision

Curious children, Thinking minds

# Mission

Preparing children to understand the world





# Science Curriculum

# Themes and Topics Covered in P5

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





# 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

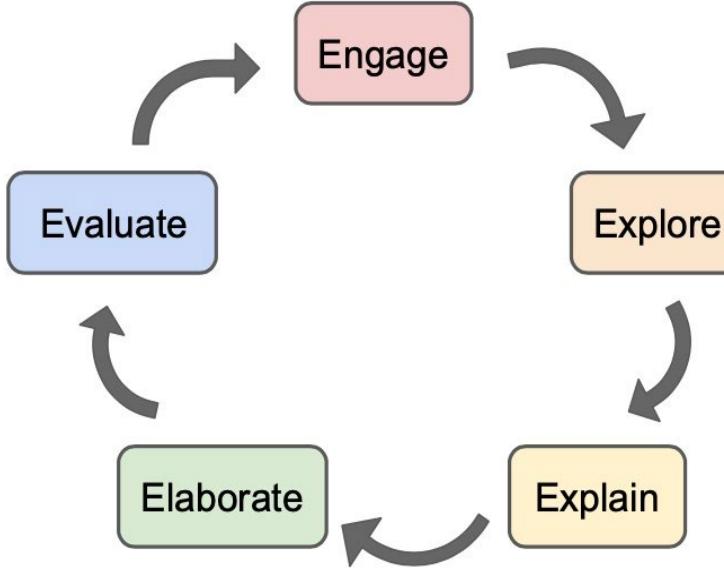


Figure 1: 5Es in Inquiry-Based Learning

**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**
- **Expose** students to different question types and problem stimuli.
- **Empower** 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 paper of previous year





# Assessment

## Intent of changes in SBA:

**Reduce excessive focus on testing and academic results and create time and space to further enhance the holistic development of students, including 21CC (e.g., inventive thinking, adaptive thinking, communication skills and civic literacy)**



- **Intent of Weighted Assessments:**
  - **Bite-sized, targeted** at **selected** unit(s) and/or skills
  - Range of modes, e.g., pen-and-paper, performance tasks
  - An opportunity for students to **review and consolidate** their learning
  - For teachers and students to **affirm** learning **strengths**
  - Helps students be **equipped** with **understanding the next steps for improvement**
  - Strengthen their **confidence** and in doing so, find **greater joy in learning**



# 2024 Assessment Overview

P5 Science	Term 2	Term 3	Term 4
	<b>Weighted Assessment 1 (15%)</b>	<b>Weighted Assessment 2 (15%)</b>	<b>End-of-Year Examination (70%)</b>
Format	<b>Performance Task</b>	<b>Pen and Paper Test (MCQs and Open-ended Questions)</b>	<b>Pen and Paper Test (MCQs and Open-ended Questions)</b>
Total	<b>100%</b>		

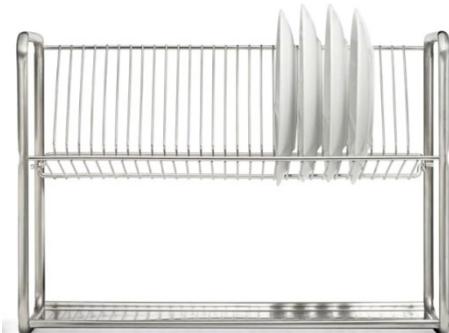




# Home-School Partnership

# 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.

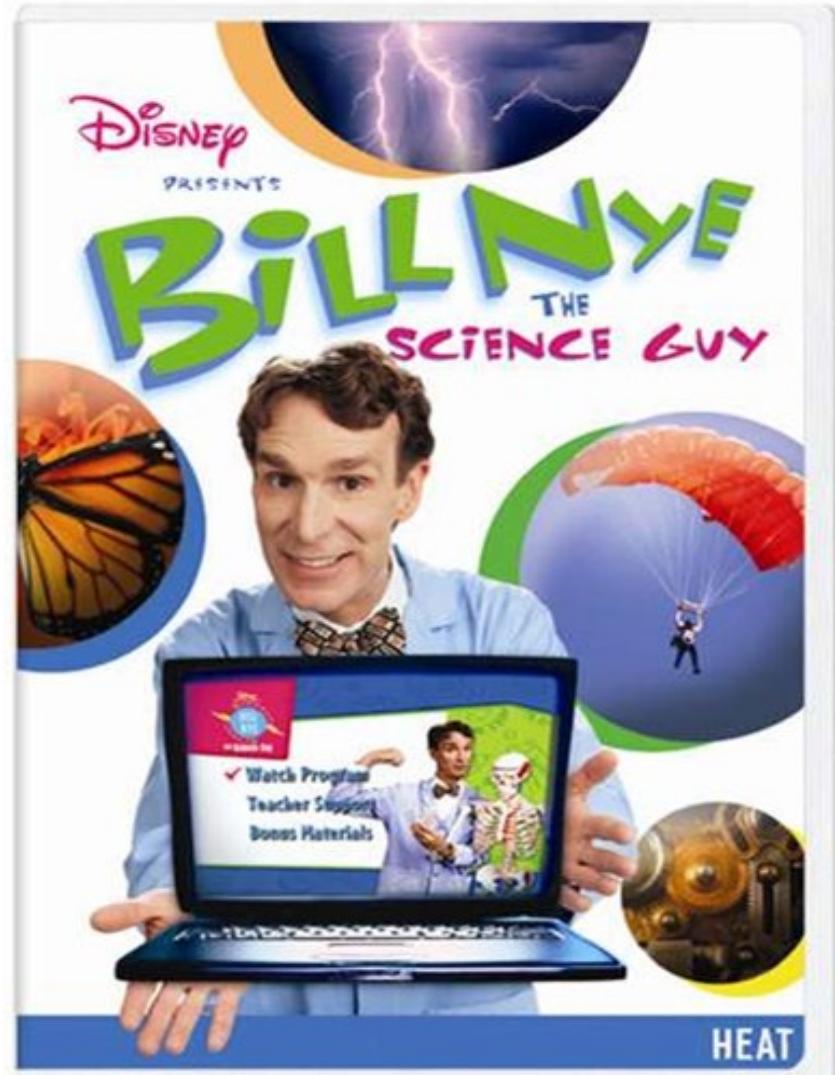
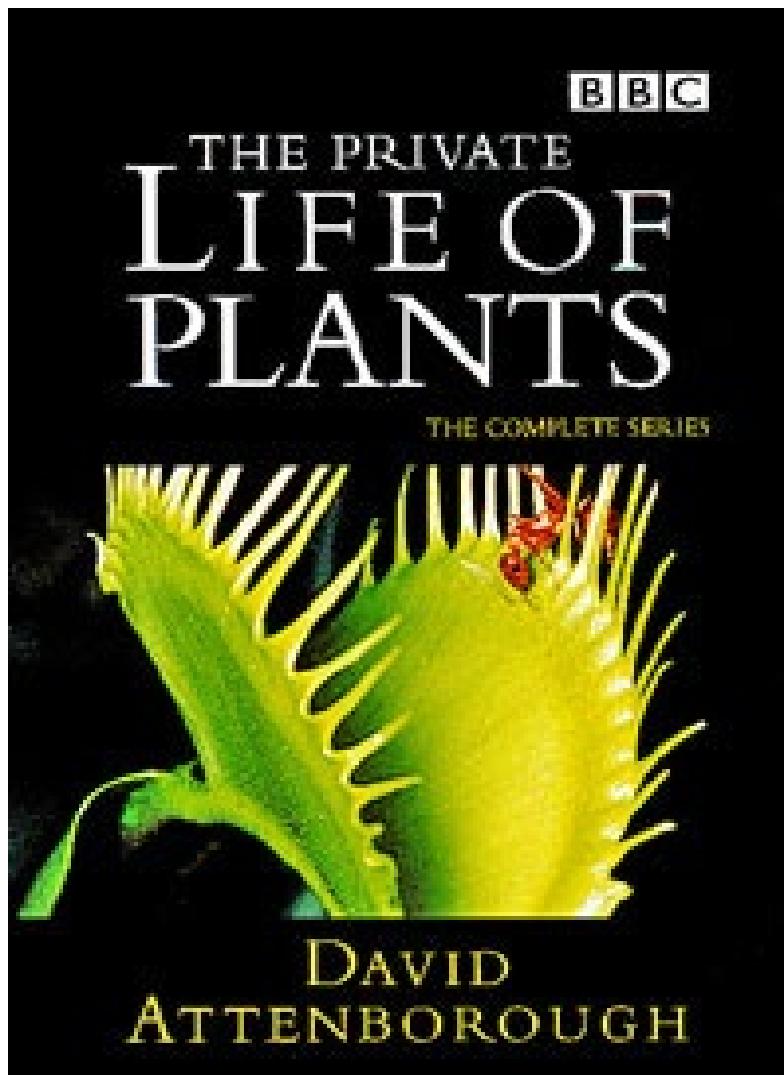


# Strategies to help your child

- 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.**

