



# 2024 P5 Science Curriculum Information



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# Tao Nan School Science Department

## Vision

Curious children, Thinking minds

## Mission

Preparing children to understand the world





# Science Curriculum

TAO NAN SCHOOL  
Established in 1904

# 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)</li></ul> <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"><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

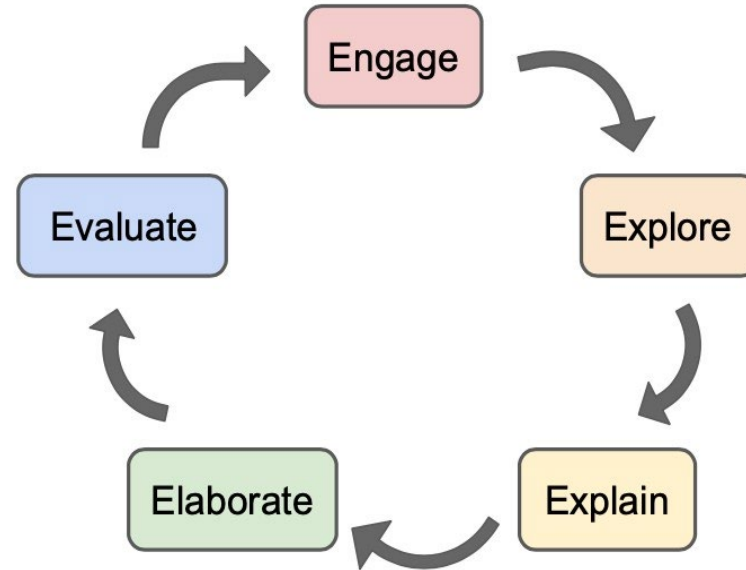


Figure 1: 5Es in Inquiry-Based Learning

**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

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





# Home-School Partnership

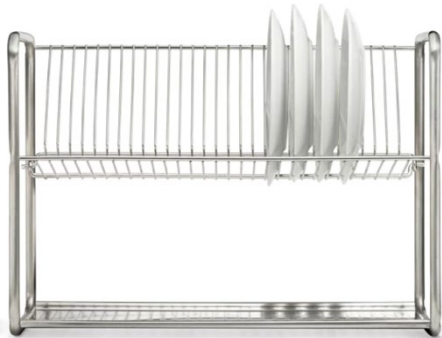
TAO NAN SCHOOL  
Established in 1906





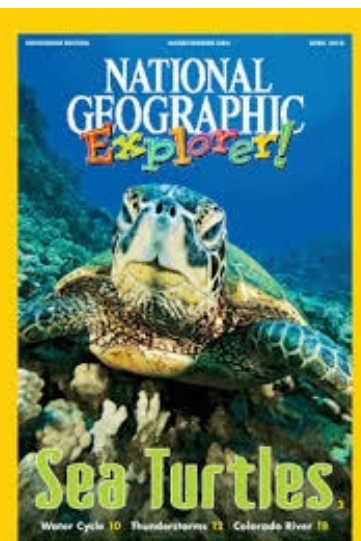
# Strategies to help your child

- 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.

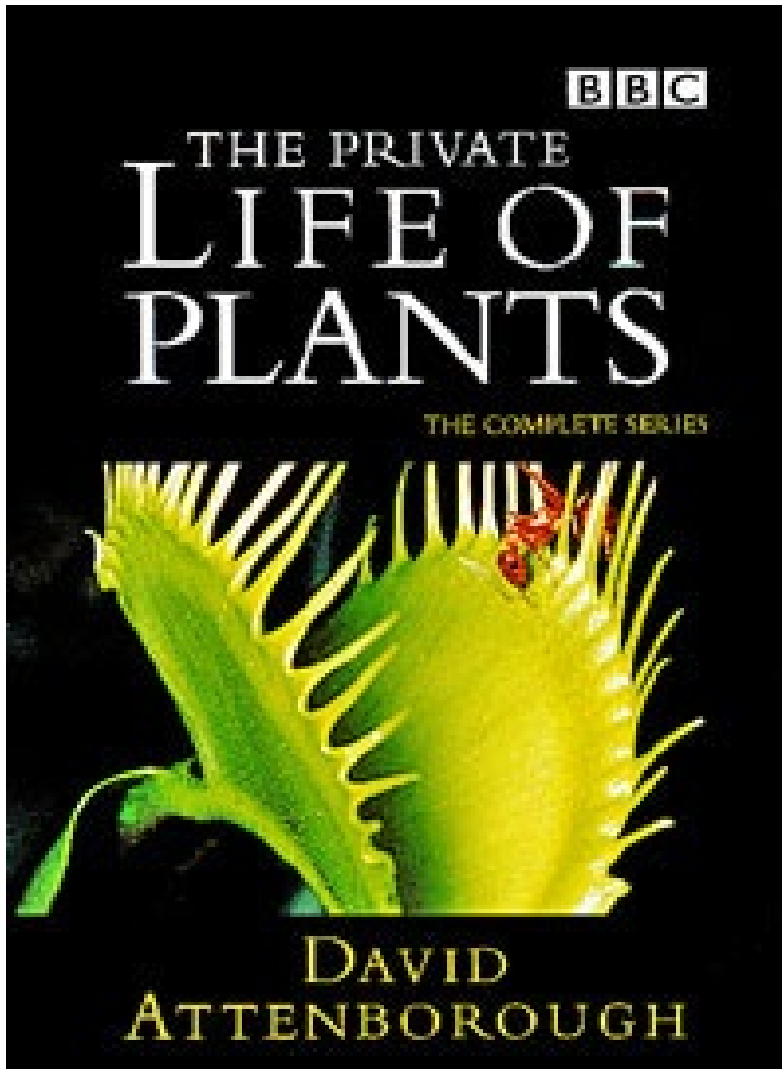


# Strategies to help your child

- 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.**

