



## **P3-P6 Science Programme**

Science is a way of  
thinking more than it is a  
body of knowledge.



Carl Sagan

## Programme Highlights



### Notes & Questions Based on Latest MOE Syllabus

- o Our notes are based directly on latest MOE Primary School Level Science syllabus. They provide clarity to students in terms of content that is required for PSLE and content that is meant as enrichment.
- o Modelled after past-year PSLE questions, our practice questions are consistent in terms of format and style with the PSLE Science paper.



### Conceptually-Accurate Notes & Questions

- o Our notes and questions are vetted by highly experienced MOE Primary School Science teachers and PSLE markers.
- o Tightly-set questions not only eliminate ambiguity, they enable true development and assessment the process thinking skills required in Primary School Science.



### Structured Learning Approach

- o Each lessons starts off with the teacher explaining the Science concepts and principles using PowerPoint slides. Students will fill in the blanks in their notes with key words as the teacher goes through the slides.
- o After the notes have been completed, students will attempt MCQ and Open-Ended questions based on the content they have learnt for the day. The teacher will go through the questions and answers in the same lesson.



### Rigorous Practice

- o In Primary School Science, students learn new topics every year. At every level, the continual and semestral assessments conducted are on a cumulative basis.
- o Topical revisions with notes and practice questions are conducted on a regular basis to ensure students remember what they have learnt.





### Skills-Based Learning

Students will learn how to

- o break down, annotate and analyse MCQ and open-ended questions
- o structure answers to open-ended questions in a concise and precise manner using the relevant key words.



### Content-Based Learning

- o Students will be drilled on science concepts and principles and shown how the various topics and themes relate to each other.
- o Our content is enriched with current and real-world examples, which gives teachers scope and opportunity to dive more deeply into an idea beyond the school syllabus. This enriches the students' understanding of a concept and nurtures their love for Science.



### Engaging Lessons

- o Hands-on activities and experiments
- o Videos & quizzes
- o Discussion-based learning



### Experienced Science Curriculum Team

- o All our Science teachers are experienced ex-MOE school teachers who have been teaching Primary School Level Science for more than 20 years.



## Frequently Asked Questions

**My child has been doing school assessments and external assessment books. Some of his/her answers are different from the given model answers. Are you able to help my child?**

One of the challenges students face when doing Science questions (whether set by the school / another enrichment centre or from assessment books) is giving the examiner the answer he or she expects. Sometimes, this is not due to the ability of the student, but rather, the ambiguity inherent in the question.

Questions that have not been properly set could lead to multiple interpretations. In order to answer these questions, students might be forced to make certain assumptions, which may or may not be valid from the examiner's perspective.

At Joyous Learning, we invest time and effort in setting and vetting questions to ensure that every question is not only conceptually accurate, but also worded precisely so that there is no ambiguity.

**Are you covering the topics in the same order as they are covered in my child's school?**

Different primary schools cover the topics in the Primary Science syllabus in a different order. As such, we are not able to offer a Scheme of Work that suits all students. We teach every topic from scratch, with the assumption that the students have not learnt it at school yet. Coupled with regular revisions of topics that have been taught, students can rest assured that all topics will be covered by the end of the academic year.

Students who have questions or require clarifications for topics that have been taught in their school but not yet in Joyous Learning are welcome to seek our teacher's help during lessons.

**Do you conduct experiments during lessons?**

Yes, we do. In many cases, we get our students to verify for themselves the scientific principles they are learning through experiments or hands-on activities. In cases where experimentation in a classroom environment is not feasible, we play videos that demonstrate the principles at work.



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### **How do you teach answering skills for open-ended questions?**

Besides knowing their scientific facts, students need to have strong question-answering skills in order to score in Booklet B. Our experienced teachers train our students to structure their answers according to the Cause-Effect-Result (CER) template, using keywords that examiners look out for when awarding marks.

Through regular practice under our teacher's guidance, students will develop the knack for formulating concise and precise answers that address the requirements of the questions.

### **My child is very strong / weak in Science. How does your teacher manage a class with students of differing abilities?**

All our classes are capped at 9 students. We believe that that number presents an optimal teacher-student ratio. This ratio is small enough to allow a teacher to give enough attention to individual students, yet large enough to allow for a hearty exchange of ideas amongst students.

A teacher's experience and instinct will come into play in terms of managing the pace of learning such that no student is left behind because he or she cannot cope, or becomes disengaged because he or she has already learnt all there is to know.





## Registration Details

Commencement date:	January
End date:	End of November
Duration per session:	2 hours
Maximum class size:	9 students



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