



P4-P6 Mathematics Programme

Mathematics is the
queen of science, and
arithmetic the queen of
mathematics.



Carl Friedrich Gauss

Programme Highlights



Scheme of Work Based MOE Syllabus

- o Our programme follows the same sequence of topics according to MOE syllabus. This ensures that what students learn here reinforces what they are learning in school.



Spiral Approach

- o Each new chapter starts with a recap of what students have learnt the previous year for the same topic. Students will complete a short diagnostic test so that the teacher can identify specific areas for improvement for individual students.
- o The teacher will then explain the new concepts and demonstrate the new skills and techniques that students will need to learn for the topic.
- o Students will attempt questions on their own under the teacher's guidance. When the students have completed their work, the teacher will go through the answers and collect the students' work for marking.



Mad Maths (Enriched Syllabus)

- o At the end of every topic, students will be exposed to novel mathematical ideas which are not in the MOE syllabus but related to the topic they have just learnt. Examples of mathematical ideas that are explored include currency exchange strategy, Egyptian fractions, fractals and more.
- o This fun and challenging exercise, which occasionally involves hands-on activities, is something motivated students always look forward to.



Real-World Examples

- o Students will find that the numbers used in the questions are based on real-world scenarios. (You will find the sources listed in the footnote of the worksheets.)
- o This allows the teacher to help students relate the mathematical manipulations they have to perform on paper to the practical applications of mathematics in our lives.





Content and Skills-Based Learning

Students will be drilled on

- o mathematical formulae and concepts
- o methods for solving commonly-asked questions

Students will develop

- o a logical and systematic approach in solving questions
- o mental fortitude and tenacity critical to tackling non-routine questions



Rigorous Practice

- o Topical revisions are conducted at regular intervals to refresh students' memory on what they have learnt and to continuously sharpen their mathematical skills.



Experienced Mathematics Curriculum Team

- o Our Mathematics teachers are experienced MOE school and private educational institution teachers who have been teaching primary level Mathematics for 15-25 years.



Frequently Asked Questions

How are your Mathematics lessons conducted?

Our curriculum is pitched at mid-challenging to challenging level of rigour. The primary focus is to ensure that all students master the fundamentals so that they ace the PSLE Mathematics paper. The more talented students will be stretched with non-routine questions in the Mad Maths section.

Will homework be given after every lesson?

Our lessons are not planned with homework in mind. All exercises are to be completed by students and gone through by teachers within each two-hour session. Homework is only assigned when a student is unable to complete what is meant to be completed within the lesson.

How long will it take before I start to see an improvement in my child's grades?

We believe Mathematics is a subject that every student can excel in with sufficient practice. If a question is difficult at the first try, do another five similar questions. As with learning anything new, you will find that the task gets progressively easier the more you practise. This is especially true for a rule-driven subject like Mathematics.

Do you cover heuristics?

Yes, we do. In the context of Singapore mathematics, heuristics refer to strategies that are used to solve non-routine or complex questions. In addition to teaching various heuristics methods to solve different types of problems, our teachers encourage students to investigate think independently and come up with novel solutions on their own.



My child does not like Mathematics. How can your teachers help?

In many cases, a student tends to dislike a subject if he or she is weak in it. To help a child develop a liking for the subject, the teacher will identify areas for improvement and work on them with your child. With proper understanding and practice, the student will start getting the answers right and see an improvement in his or her grades. His or her confidence will grow and this will kickstart a virtuous cycle of learning.

My child is very strong / weak in Mathematics. 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.

In terms of catering to individual learning propensities, this is where a teacher's experience and instinct come into play. For a student who is catching up with his or her peers, a teacher may choose to exclude the more challenging (or enrichment) questions. Conversely, for a student who is ahead of his or her peers, the teacher may assign additional questions or even task him or her to explain the more difficult questions to the class. This reinforces the student's understanding of the question.





Registration Details

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



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