

总校周日 3-6 年级数学实验室、
以及数学竞赛类系列课程简介：

Singapore Math Interactive Lab **—— for 3rd - 6th grade**

Class duration: 2hrs

Students: all students who are interested in doing Singapore Math 3rd to 6th math.

Description: this class is specially designed for Singapore Math 3rd to 6th grade. This class has the following features:

1. Students work on their own pace according to their progress. For example, a student could possibly finish a whole grade work in one semester.
2. The instructor gives instructions and tutoring to each individual student or a group of students with similar progress and problems.
3. The students' work is checked in class and will be tutored if there is any problem.
4. Students could enter the classroom at any time during the designated two hours.
5. All students' progress is carefully watched and logged to control quality learning.
6. In this interactive way, the instructor could evaluate the students better and give parents suggestions on students' math education.
7. Disciplines are enforced in this classroom and no disturbing is allowed.

Competition Math - Number Sense

Class duration: 1hr

Students: 3rd – 5th grade students.

Description: this class is to prepare students for TMSCA and MathLeague.org contest on Number Sense section.

1. Number sense and mental mathematics on many different topics which should open another world for students on numbers and number connection.
2. Build students' confidence and interest in mathematics.

Competition Math - General Math

Class duration: 1hr

Description: This class is to prepare students for TMSCA general math section and MathLeague's spring and target section.

1. On the acceptance basis, basic topics from elementary and middle school math will be covered.
2. These advanced topics will be enforced but not limited to: simple probability, combination, prime numbers, prime factorization, divisibility, numbers in different base other than 10 and etc.

3. We will also put some weight on word problems to teach students of math thinking and modeling.

MathCounts and AMC 8

Class duration: 1.5hr

Students: middle school students and advanced elementary students

Description: this class is to prepare students for MathCounts and AMC 8 contest. And more importantly we'll try to stimulate students' interest in mathematics which should benefit them in the study of all other science classes.

1. This class covers about 20 MathCounts AMC 8 typical topics in one semester according to the acceptance.
2. Basic math concepts are covered as well when it is needed.
3. Students will develop problem solving skills along the way.
4. Logic reasoning will be promoted in practice and instruction to develop the capability in science and math study.
5. Instructions will be given interactively so that students can be led to think in the right way.
6. Students are encouraged to take MathCounts and AMC 8 contest so that they will know what more they should be improved. Sample tests will be provided as well.

AMC 10 Preparation

Class duration: 1.5hr

Description: This class will cover typical materials for AMC10 for high school students or advanced middle school students that are interested in taking AMC10 test.

1. A broader coverage on mathematics than AMC 8 class.
2. Focus on improving logical reasoning and problem solving skills.
3. More practice in classroom.