

# RAY CHINESE SCHOOL

## COURSE SYLLABUS

**Course Title:** Singapore Mathematics, Grade 4

**Course Description:** This course follows the Singapore Primary Mathematics 4A and 4B curriculum. The program is suitable for 4<sup>th</sup> graders, or some gifted 3<sup>rd</sup> graders. The course is designed to have a great deal of time spent on building essential math skills, while introduce students to challenging multi-step word problems. After finishing the Grade 4 through Grade 6 programs, students will be able to learn Algebra 1 in 7<sup>th</sup> grade.

### Teacher Information

Name: Jeff Shao

Email: shao.guoqing@gmail.com

### Textbooks:

#### 1<sup>st</sup> semester

Primary Mathematics 4A textbook

Primary Mathematics 4A workbook

#### 2nd semester

Primary Mathematics 4B textbook

Primary Mathematics 4B workbook

### Supplemental book:

Singapore Math Intensive Practice 4A

Singapore Math Intensive Practice 4B

Primary Mathematics Challenging Word Problems 4

### Expected Student Outcome:

Upon completion of this course, the student will be able to:

- Be proficient at four operations. Be able to do simple fractions and decimals. Master topics in geometry including Angles, Area, Perimeter, Symmetry, Solid figures and Volume.
- Identify problem solving techniques to tackle challenging pre-algebra math problems
- Develop skills and habits to be self-motivated and to seek out new challenges.

### Homework and Exam

- Parents are expected to supervise the homework each week
- Mid-term exam and final exam will be given

**Semester 1 - Weekly Plan**

| <b>Week</b> | <b>Topics</b>                      |
|-------------|------------------------------------|
| 1           | Whole Numbers – Numbers to 100,000 |
| 2           | Whole Numbers – Numbers to 100,000 |
| 3           | Whole Numbers – Rounding Off       |
| 4           | Whole Numbers – Factors            |
| 5           | Whole Numbers – Multiples          |
| 6           | Multiplication by 1 digit          |
| 7           | Division by 1 digit                |
| 8           | Review A                           |
| 9           | Mid-Term Test                      |
| 10          | Fractions - Adding                 |
| 11          | Fractions - Subtracting            |
| 12          | Perpendicular Lines                |
| 13          | Parallel Lines                     |
| 14          | Review B                           |
| 15          | Final Test                         |