

## **Sixth Grade, Singapore Math, U. S.**

### **Box 1: Class Description**

This year-long course covers the sixth grade math content noted below. Weekly certificated contact will be completed through direct personal contact with an HQ/certificated teacher in an on-site HC class. At least one state standard will be covered in this course.

### **Box 2: Learning Materials**

The curriculum, books, supplies, materials, web-sites, and other sources used for this course are Singapore Primary Math 6A and 6B.

(Make additions as you see fit.)

### **Box 3: Learning Goals/Performance Objectives**

The schedule of month-by month learning goals below, will likely not be exactly adhered to by the student. The schedule is approximate. Monthly coverage of these goals will vary according to the student's strengths and interests. The clear goal, however, is coverage of all of the goals below, by the end of the school year.

#### **Primary Mathematics U.S. Edition 6A**

##### **SEPTEMBER**

1. Algebra
  - Algebraic Expressions

##### **OCTOBER**

2. Solid Figures
  - Drawing Solid Figures
  - Nets

##### **NOVEMBER**

3. Ratio
  - Ratio and Fraction
  - Ratio and Proportion
  - Changing Ratios

**REVIEW A**

**REVIEW B**

##### **DECEMBER**

4. Percentage
  - Part of a Whole as a Percentage
  - One Quantity as a Percentage of Another
  - Solving Percentage Problems by Unitary Method

**REVIEW C**

## JANUARY

### 5. Speed

- Speed and Average Speed  
REVIEW D  
REVIEW E  
REVIEW F (extra review exercises on customary measurements)

Primary Mathematics U.S. Edition 6B

## FEBRUARY

### 1. Fractions

- Division
- Order of Operations
- Word Problems

## March

### 2. Circles

- Radius and Diameter
- Circumference
- Area

## APRIL

### 3. Graphs

- Pie Charts  
REVIEW A  
REVIEW B

## May

### 4. Volume

- Solving Problems

### 5. Triangles and 4-sided Figures

- Finding Unknown Angles  
REVIEW C  
REVIEW D  
REVIEW E

## JUNE

### 6. More Challenging Word Problems

- Whole Numbers and Decimals
- Fractions
- Ratio
- Percentage
- Speed  
REVIEW F  
REVIEW G  
REVIEW H (extra review exercises on customary measurements)

#### **Box 4: Learning Activities**

Each day the student will complete a math lesson. They will have a new lesson/concept/learning explained, demonstrated/taught. They'll complete practice problems to ensure understanding of content. They will have independent practice/homework over those concepts. They will re-do and correct any which they missed. When review is needed, we'll not learn a new concept but take the time needed to re-teach or reinforce needed concepts.

**(Make additions or deletions as you see fit.)**

#### **Box 5: Progress Criteria/ Methods of Evaluation**

Student monthly progress evaluation is made on the basis of weekly certificated contact, work samples, communications with students, communications with parents, and performance in on-site classes. It is electronically communicated to parents via WINGS. It is our goal that the student will accomplish approximately 10% of the goals of this course each month, September through June. The level of mastery expected is 70% or higher to progress. Methods of evaluation will include but are not limited to those below, under the direction of an HQ teacher:

- \* observation and/or correction of daily and/or weekly work and progress
- \* daily or weekly discussion of assignments, readings, writings
- \* correction of work done incorrectly
- \* portfolio kept of student work, at least weekly

**(Make additions or deletions as you see fit, to asterisks.)**

#### **Box 6: Weekly Hours**

**Please estimate the number of hours your student will work on this course.**