

New Fourth Grade, Singapore Math, Common Core

Box 1: Class Description

This year-long course covers the fourth 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 4A and 4B.

(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 Common Core Edition Textbook 4A

SEPTEMBER

1. Whole NumbersNumbers to 1,000,000
Approximation
Multiples
Factors
Order of Operations
REVIEW

OCTOBER

2. The Four Operations of Whole NumbersAddition and Subtraction
Multiplication by a 1-Digit Number
Division by Ones and Tens
Multiplication by a 2-Digit Number
REVIEW 2

NOVEMBER

3. FractionsEquivalent Fractions
Adding and Subtracting Like Fractions
Mixed Numbers
Improper Fractions
Fractions and Division
REVIEW 3

DECEMBER

4. Operations on FractionsAdding and Subtracting Related Fractions
Adding and Subtracting Mixed Numbers
Multiplying a Fraction and a Whole Number

Fraction of a Set
REVIEW 4

JANUARY

5. Measures Looking Back
Multiplying and Dividing Compound Measures
Measures and Fractions
REVIEW 5

Primary Mathematics Common Core Edition Textbook 4B

FEBRUARY

6. Decimals, Tenths
Hundredths
Thousandths
Rounding
REVIEW 6

MARCH

7. The Four Operations of Decimals, Addition and Subtraction
Addition and Subtraction
Multiplication
Division
REVIEW 7

APRIL

8. Geometry: Points, Lines, Line Segments, Rays, and Angles
Right Angles
Measuring Angles
Perpendicular Lines
Parallel Lines
Quadrilaterals
Triangles
Line Symmetry
REVIEW 8

MAY

9. Area and Perimeter, Rectangles and Squares
Composite Figures
REVIEW 9
10. Bar Graphs and Line Plots, Bar Graphs
Line Plots
REVIEW 10

JUNE

11. Volume, Cubic Units
Volume of a Cuboid
REVIEW 11

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.