

NCLS Math Program Teaching Curriculum

Course Title: Singapore Mathematics 1

Course Description: This class will teach students the concept of number, basic addition, subtraction, multiplication including multiplication table and division, length and weight. In addition, students will learn basic geometric concepts, length, capacity, money, fraction, etc. Students are provided with the necessary learning experiences beginning with the concrete and pictorial stages, followed by the abstract stage to enable them to learn mathematics meaningfully.

Course Goals: This approach encourages active thinking process, communication of mathematical ideas and problem solving. This helps to develop the foundation for students who will study in Singapore Math 2nd class in NCLS.

Course Textbook and Practice Book: Singapore Primary Mathematics Textbook 2A/2B US Edition

Singapore Primary Mathematics workbook 2A/2B US Edition

Course Syllabus

Teaching Plan:

<u>Weeks</u>	<u>Teaching Content</u>
Fall semester	
1	Numbers to 1000
2	Addition
3	Subtraction 1
4	Subtraction 2
5	Length
6	Review
7	Midterm test
8	Weight
9	Multiplication 1
10	Multiplication 2
11	Division 1
12	Division 2
13	Multiplication tables of 2 and 3

14	Dividing by 2 and 3
15	Review
16	Final Test
Spring semester	
1	Mental Addition
2	Mental Subtraction
3	Multiplication and division by 4 and 5
4	Multiplication and division by 10
5	Money
6	Fractions
7	Review
8	Midterm test
9	Time
10	Capacity
11	Graphs
12	Geometry
13	Review
14	Final test
15	Test review and Class activities

Homework, quiz and tests: Homework will be assigned each week, and there will be two tests (middle term and final term) in each fall and spring semester.