

McRuffy Kindergarten Math

Box 1: Class Description

This year-long course covers the Kindergarten 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. The McRuffy Kindergarten Color Math is a highly interactive math program that emphasizes a well-balanced variety of skills. Auditory, visual, and tactile methods are used to develop concepts.

Box 2: Learning Materials

The curriculum, books, supplies, materials, web-sites, and other sources used for this course are: McRuffy Kindergarten Math, paper, and pencil.

*Make additions or deletions as you see fit.

Box 3: Learning Goals/Performance Objectives

The McRuffy Kindergarten Math Program has 160 lessons. These lessons will be completed during the kindergarten year, approximately 1 lesson per day, leaving 20 extra days. These 20 days will be spent giving more time to a concept not easily mastered, reviewing at the start of the year and end of year, and with enrichment activities that show themselves to be of value. An approximate schedule of lesson coverage is below. Specific math content covered for the year, is below that.

September: Lessons 1 - 15

October: Lessons 16 - 35

November: Lessons 36 - 52

December: Lessons 53 - 66

January: Lessons 66 - 84

February: Lessons 85 - 102

March: Lessons 103 - 118

April: Lessons 119 - 136

May: Lessons 137 - 152

June: Lessons 153 - 160

Content of Lessons 1-160:

Counting to 100, Number Recognition to 100, Skip counting by tens and fives to 100, Skip counting by twos to twenty, Matching groups to numbers, Counting objects to 25, Counting down from 10 to 1, Moving on a number line, Recognizing and making patterns, Recognizing shapes, Making geometric designs using pattern blocks and tangrams, Visual discrimination skills using geoboard patterns, Comparing numbers using arrows to represent $<$ and $>$, General concepts of time (morning, afternoon, yesterday, etc.), Calendar activities, Writing times to the hour, Reading times to the hour, Measuring using non-standard units, Visual memory skills, Story problems, Game

playing (counting skills, following directions, etc.), Place value (tens and ones), Number sentences, Using symbols to represent numbers, Counting coins (pennies, nickels, dimes), Finding the missing number, Putting numbers in order, Spatial orientation, Left and right Ordinal numbers 1st to 10th, Addition (sums to 18), Commutative property of addition ($1+2=2+1$), Subtraction, Addition and subtraction as inverse operations, Fractions (half), Attributes, Odd and Even, Number words (zero to ten) and Symmetry

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 problem 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
 - * standardized testing (iReady, state assessments, Iowa Tests, etc.)
- *Make additions or deletions to the asterisk items as you see fit.

Box 6 Weekly Hours

5.0 hours

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