

Course Description

Course Title: 1st Grade Math

Course Length: Full Year

Class Meetings (Per Week): 30-45 min. daily

Textbook: Math 1 for Christian Schools
BJU Press

General Course Description: A manipulative-based concept approach of math which teaches problem solving skills promotes understanding of math concepts through an inductive teaching method includes Bible stories and teaches Christian principles and involves parents with suggestions and ideas for reinforcing at home skills taught in each chapter.

Biblical Principles:

God cares about numbers. He knows them all; He has recorded many for our information. (Psalms 147:4, Luke 12:7)

God's concern for numbers shows us how important we are to Him. (Matthew 10:30)

God uses numbers to demonstrate the orderliness, precision, and consistency of His nature. (Genesis 6:14-16, Numbers 14:29-33, 26:64-65)

General Course Description:

1st Quarter:

Numbers 0 - 10
Addition facts to 6
Subtraction facts to 6
Place Value/ Numbers to 40 added

2nd Quarter:

Place value continuation
Numbers to 100
Money
Time and calendar
Addition facts to 12
Subtraction facts to 7

3rd Quarter:

Subtraction facts 8 to 12 family
Metric Measurement
Geometry
Fractions
Two-digit addition and subtraction

4th Quarter:

Money
Time and calendar
Customary measurement
Fraction
Addition and subtraction facts to 18
Renaming readiness
Multiplication and division readiness

Related Objectives/Learner Outcomes:

The student will learn to:

1. Distinguish between the terms right and left
2. Recognize top, middle, and bottom
3. Discriminate between large and small objects
4. Match objects by size and/or shape, length, and by one-to-one correspondence
5. Determine the set with fewer and more objects
6. Recognize and write numbers 6-10
7. Recognize the number word for six through ten
8. Recognize the dot patterns for six through ten
9. Write the number that comes just before or just after a given number
10. Write the numbers 0-10 in order (forward and backward)
11. Identify the ordinal positions of objects first through tenth
12. Identify equal sets
13. Recognize the equal and the not equal signs
14. Draw tally marks for numbers 1-10
15. Join sets to demonstrate addition
16. Write the numbers that represent the addends and the sum
17. Write an addition sentence for sets of objects
18. Write the sum for an addition problem
19. Identify names for three and six
20. Identify the number of tens and ones in each number, 11-99
21. Recognize the numbers to 100
22. Write the number for a set of objects
23. Write the number that comes just before or just after a given number
24. Write the number that comes between two numbers
25. Write the remainder for a subtraction sentence
26. Identify parts of a calculator
27. Use a calculator to add
28. Make numbers up to ten on a place value mat
29. Rename 10 ones as 1 ten
30. Identify the number of tens and ones in each number, 11-19
31. Write the numbers by 2s to 50
32. Count by 5s to 100 and write numbers
33. Count by 10s to 100 and write the numbers
34. Identify the greater of two numbers through 100
35. Identify the lesser of two numbers through 100
36. Read a pictograph
37. Read the expanded form of a number
38. Recognize the equal and not equal signs
39. Complete a number sentence with the equal or not equal sign
40. Complete an addition sentence using pennies with facts to six
41. Complete a subtraction sentence using pennies with facts to six
42. Identify the value of a dime as ten cents
43. Rename a dime as two nickels or ten pennies
44. Determine the value of a set of pennies and dimes by counting on
45. Arrange events in sequence

46. Identify the hour hand and the minute hand
47. Demonstrate an understanding of hour and minute
48. Demonstrate time to the hour
49. Tell time to the hour
50. Match an analog clock to the correct digital time
51. Write time to the hour and half hour
52. Write the days of the week
53. Name the days of the week in order
54. Count the days in week and in a month
55. Identify specific days on a calendar
56. Identify the longer/longest object
57. Identify the shorter/shortest object
58. Identify the taller/tallest object
59. Arrange objects according to height
60. Measure length and height using a nonstandard unit
61. Complete subtraction equations for a set of ten, eleven, and twelve
62. Demonstrate an understanding of fact families
63. Cross out the objects representing the subtrahend in a subtraction word problem
64. Join sets to demonstrate addition
65. Measure distance using centimeters
66. Recognize a liter as a measuring unit for capacity
67. Determine whether a container has a capacity of more than one liter
68. Recognize kilogram as a measuring unit for mass
69. Read a Celsius thermometer
70. Add and subtract mentally
71. Use a calculator for counting on and counting back
72. Identify a sphere, a cylinder, a rectangular solid and a cone
73. Distinguish between solid figures and flat shapes
74. Identify a rectangle, triangle and distinguish between rectangles and triangles
75. Draw a rectangle and a triangle
76. Identify objects having the same size and shape
77. Match a figure to its stencil
78. Recognize, copy, and extend a pattern
79. Identify positions inside, outside, and on a figure
80. Identify one-half, one-third, and one-fourth of a shape
81. Color one-half, one-third, and one-fourth of a shape
82. Recognize fractions as a part of a set
83. Identify one-half of a set of objects
84. Color one-half of a set of objects
85. Write an addition or subtraction equation for a word problem
86. Identify shapes that are divided into equal parts
87. Determine the number of equal parts in a shape
88. Identify objects that have been divided into halves, thirds, and fourths
89. Identify the number of tens and ones in two-digit numbers
90. Add two-digit numbers without renaming
91. Join sets to demonstrate addition

92. Write an addition problem in vertical form
93. Subtract two-digit numbers without renaming
94. Separate a set to demonstrate subtraction
95. Make a bar graph
96. Demonstrate an understanding of place value on a calculator
97. Use a calculator to add two-digit numbers
98. Write an addition problem and subtraction problem
99. Write an addition equation and equation for a word problem
100. Add money using two-digit numbers without renaming
101. To solve problems on fractions and equivalent equations

Presentation Methods:

Hands on / Manipulatives
 Games
 Workbooks
 Drills
 Flashcards
 Bible Stories

Evaluation and Grading Methods:

Math Chapter Reviews
 Written tests at the end of chapters
 Observation during hands on instruction
 Grading Scale:

E = Exceeds Expectations	+ = Commendable
M=Meets Expectations	√ = Acceptable
N =Needs Further Development	— = Area of Concern

Enrichment Resources or Special Activities:

Games using money
 Use small individual clocks (Judy Clocks) to match the teachers' clock
 Measuring and counting using cereal, M&Ms, miniature marshmallows, etc. and liquids for mental math activities
 Math games to promote memory of combinations
 One minute drills on addition facts (0-18) "Mad Minutes"