Teaching Textbooks 4

Class Description:
In this 4th grade math course, the student will utilize Teaching Textbooks 4 to cover the standard topics, including: addition, subtraction, multiplication, division, whole numbers, fractions, decimals, dollars and cents, time, perimeter, area, temperature, the metric system, bar and line graphs, and more.

Learning Materials: Main Curriculum:
Teaching Textbook - Math 4 Workbook
Teaching Textbook - Math 4 Answer Key
Teaching Textbook - Math 4 CD-ROM Set

Learning Goals/Performance Objectives: 3.1.B Round whole numbers through 10,000 to the nearest ten, hundred, and thousand.
3.1.C Fluently and accurately add and subtract whole numbers using the standard regrouping algorithms.
3.4.D Measure and calculate perimeters of quadrilaterals.
3.5.B Measure temperature in degrees Fahrenheit and degrees Celsius using a thermometer.
3.5.C Estimate, measure, and compare weight and mass using appropriate-sized U.S. customary and metric units.
3.5.D Estimate, measure, and compare capacity using appropriate-sized U.S. customary and metric units.
4.1.A Quickly recall multiplication facts through 10 X 10 and the related division facts.
4.1.C Represent multiplication of a two-digit number by a two-digit number with place value models.

Learning Activities: The student will complete lessons as per the timeline below, using the workbook and CD’s. Each lesson consists of video instruction and new material practice. Quizzes are after every 7th lesson. Grades will be automatically calculated via the digital gradebook.

Teaching Textbook 4 Table of Contents/Timeline of Lessons
SEPTEMBER
Lesson 1 — Addition
Lesson 2 — Addition Facts
3.1.C Fluently and accurately add and subtract whole numbers using the standard regrouping algorithms.
Lesson 3 — Place Value
Lesson 4 — More on Place Value
Lesson 5 — Days and Months
Lesson 6 — Reading a Calendar
Lesson 7 — Writing the Date
Quiz 1
Lesson 8 — Subtraction
3.1.C Fluently and accurately add and subtract whole numbers using the standard regrouping algorithms.
Lesson 9 — Families of Facts
Lesson 10 — Seasons
Lesson 11 — Finding the Missing Number
Lesson 12 — Adding Numbers Ending in Zeros
Lesson 13 — Long Addition

OCTOBER
Lesson 14 — Addition Word Problems
Quiz 2
Lesson 15 — Rounding and Estimating
3.1.B Round whole numbers through 10,000 to the nearest ten, hundred, and thousand.
Lesson 16 — Pictographs and Bar Graphs
Lesson 17 — Adding Three or More Numbers
Lesson 18 — More Long Addition
Lesson 19 — More Rounding and Estimating
Lesson 20 — Comparing Two Numbers
Lesson 21 — More Number Comparisons
Quiz 3
Lesson 22 — Addition and Carrying
Lesson 23 — Numbers in Words
Lesson 24 — Pieces of a Whole
Lesson 25 — Bigger than 1 on Top
Lesson 26 — Horizontal, Vertical, and Oblique Line Segments

NOVEMBER
Lesson 27 — Measuring with Inches and Feet
Lesson 28 — Sequences
Quiz 4
Lesson 29 — More Adding in Your Head
Lesson 30 — More Carrying
Lesson 31 — Coins
Lesson 32 — Using the Fewest Coins
Lesson 33 — Subtracting in Your Head
Lesson 34 — Long Subtraction
Lesson 35 — Subtraction Word Problems
Quiz 5
Lesson 36 — Telling Time
Lesson 37 — Reading an Old-Fashioned Clock
Lesson 38 — More on Time
Lesson 39 — More Long Subtraction

DECEMBER
Lesson 40 — Adding Three Numbers in Your Head
Lesson 41 — Special Times
Lesson 42 — Multiplication
Quiz 6
Lesson 43 — Multiplication Basics
Lesson 44 — Multiplying by 10 and 5
Lesson 45 — Tally Marks
Lesson 46 — Odd and Even Numbers
Lesson 47 — Multiplying by 2 and 4
Lesson 48 — Multiplying by 6 and 8
4.1. A Quickly recall multiplication facts through 10 X 10 and the related division facts.
Lesson 49 — Multiplying by 3
Quiz 7
Lesson 50 — Multiplying by 9 and 11
Lesson 51 — Multiplying by 7 and 12
Lesson 52 — The Multiplication Table

JANUARY
Lesson 53 — Reading Larger Numbers
Lesson 54 — Writing Larger Numbers in Words
Lesson 55 — Multiplying by 100, 1,000, and 10,000
Lesson 56 — Multiplying Numbers with Zeros
Quiz 8
Lesson 57 — Multiples
Lesson 58 — Long Multiplication
Lesson 59 — Multiplication Word Problems
Lesson 60 — Multiplying More than Two Numbers
Lesson 61 — Carrying in Multiplication
Lesson 62 — Regrouping
Lesson 63 — Division
Quiz 9
Lesson 64—More Fact Families
Lesson 65—Divisor, Dividend, Quotient

FEBRUARY
Lesson 66—More Carrying in Multiplication
Lesson 67—Angles
Lesson 68—Measuring Angles
Lesson 69—More Measuring Angles
Lesson 70—Right Angles
Quiz 10
Lesson 71—Other Kind of Angles
Lesson 72—Triangles and Quadrilaterals
Lesson 73—Types of Triangles
Lesson 74—Perpendicular and Parallel Line Segments
Lesson 75—Squares and Rectangles
Lesson 76—Perimeter
3.4.D Measure and calculate perimeters of quadrilaterals.
Lesson 77—Area
Quiz 11
Lesson 78—A Fast Way to Calculate Area

MARCH
Lesson 79—Symmetry
Lesson 80—More Regrouping
Lesson 81—Other Quadrilaterals
Lesson 82—Congruent and Similar Figures
Lesson 83—Circles
Lesson 84—Venn Diagrams
Quiz 12
Lesson 85—Regrouping with Zeros
Lesson 86—Writing Money in Dollars and Cents
Lesson 87—Adding and Subtracting Money
Lesson 88—Making Change
Lesson 89—Adding and Subtracting Fractions
Lesson 90—Improper Fractions
Lesson 91—Mixed Numbers
Quiz 13

APRIL
Lesson 92—More on Area
Lesson 93 — Hundredths and Tenths
Lesson 94 — Writing a Check
Lesson 95 — Recording Checks and Deposits
Lesson 96 — Temperature
Lesson 97 — Temperatures Below Zero
3.5.B Measure temperature in degrees Fahrenheit and degrees Celsius using a thermometer.
Lesson 98 — Feet to Inches
Quiz 14
Lesson 99 — More Unit Conversions
Lesson 100 — The Metric System
3.5.C Estimate, measure, and compare weight and mass using appropriate-sized U.S. customary and metric units.
3.5.D Estimate, measure, and compare capacity using appropriate-sized U.S. customary and metric units.
Lesson 101 — Finding Elapsed Time
Lesson 102 — Time Zones
Lesson 103 — Division Word Problems
Lesson 104 — Long Division

MAY
Lesson 105 — Dividing with a Remainder
Quiz 15
Lesson 106 — Reducing a Fraction
Lesson 107 — Reducing a Fraction by Dividing
Lesson 108 — The Number Line
Lesson 109 — More Measuring Line Segments
Lesson 110 — Multiplying by a Two-Digit Number
4.1.C Represent multiplication of a two-digit number by a two-digit number with place value models.
Lesson 111 — More Long Division
Lesson 112 — Percents
Quiz 16
Lesson 113 — Finding a Percent of a Number
Lesson 114 — Writing a Remainder as a Fraction
Lesson 115 — Reading a Scale on a Map
Lesson 116 — Finding Probability
Lesson 117 — Roman Numerals

JUNE
Lesson 118 — Changing Improper Fractions to Mixed Numbers
Lesson 119— Multiplying and Dividing Money Amounts
Quiz 17

Progress Criteria/Methods of Evaluation: For successful completion of this course, the student will complete at least 70% of the lessons/goals, at a minimum of 70% accuracy.

September Complete Lessons 1 – 13
October Complete Lessons 14 – 26
November Complete Lessons 27 – 39
December Complete Lessons 40 – 52
January Complete Lessons 53 – 65
February Complete Lessons 66 – 78
March Complete Lessons 79 – 91
April Complete Lessons 92 – 104
May Complete Lessons 105 – 117
June Complete Lessons 118 – Quiz 17