MATHEMATICS

Primary School Scope and Sequence

KINDERGARTEN	FIRST GRADE	SECOND GRADE
NUMBER SENSE AND NUMBERS		
• Count to 100 by 1's • Recognize and write numbers to 100 • Use and understand ordinal numbers • Skip count to 100 by 2's, 5's, and 10's • Give "before" or "after" numbers • Put numbers in order from least to greatest • Use the symbols correctly • Interpret pictographs • Accurately count groups of things • Understand distinction between odd and even numbers • Display awareness of numerical value of English prefixes • Distinguish between whole and half of an object • Have working knowledge of ½, ⅓, ¼ in relation to a whole	• Count and write numbers to 100 and beyond by 1's • Skip count and write numbers by 2's, 5's, 10's, 25's • Count and write numbers by 10's to 200 • Count backward • Master reading number words to ten • Give "between" numbers • Find missing numbers of a group • Understand place value to the 100's • Put numbers in order from least to greatest • Use the symbols correctly • Interpret pictographs • Understand distinction between odd and even • Understand that a fraction is part of a whole, denominator and equality of fractional parts • Display mastery of ½, ⅓, ¼ in relation to a whole • Display working knowledge of ⅔, ²⁄₄, ¾ • Know the amount in a dozen	• Count and write numbers to 1,000 • Skip count and write numbers by 2's, 5's, 10's, and 25's • Give before, after, and between numbers • Find missing numbers of a group • Understand place value to the 1,000's • Order numbers from least to greatest • Work with fractions previously mastered
COMPUTATION		
• Exhibit mastery of addition facts through the seven family and subtraction facts through the six family in both written and oral format • Solve basic word problems	• Exhibit mastery of addition and subtraction facts through the ten family in both written and oral • Solve basic word problems • Recite facts by memory without using "equals" • Solve flashcards in both oral and written format • Identify the math twin of a fact given • Solve story problems • Solve two-digit addition (with three-digit answers) • Solve two-digit subtraction • Understand number triplets (an alternate way of learning addition other than fact families) • Solve column addition	•Exhibit mastery of addition and subtraction facts through the eighteen family in written and oral • Understand: sum, difference, addend, subtrahend • Solve word problems with missing facts • Recite facts by memory without using "equals" • Solve flashcards in both oral and written format • Solve three-digit addition or more carrying twice • Solve two-digit subtraction with borrowing • Understand number triplets (an alternate way of learning addition other than fact families) • Solve column addition of three numbers • Understand the concept of basic multiplication • Recite the multiplication/division tables 1, 2, 5, 10

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MONEY		
• Identify coins and their value • Identify the dollar bill • Know the relation of coins to a dollar • Identify both $ and ¢ symbols • Write money amounts using the ¢ symbol • Describe the visual distinctions between the coins	• Identify coins and their value • Count a mixed group of coins • Write money amounts using the ¢ symbol • Describe the visual distinctions between the coins	• Identify all coins and their value • Master counting a mixed group of coins • Understand the dollar and half-dollar • Add and subtract money amounts using the ¢ or $ symbols with a decimal
TIME		
• Identify the attributes of both an analog and digital clock • Tell time to the hour and half hour on both analog and digital clock • Understand orientation in time, today, yesterday, tomorrow • Know how to read a calendar • Recite the days of the week and months of the year	• Tell time to the hour and half hour on both analog and digital clock • Recite the days of the week and the months of the year • Use the terms midnight and noon	•Tell time to the quarter hour on both analog and digital clock • Understand time equivalents (30 minutes = half hour, 7 days = week, 12 months = year, etc.)
MEASUREMENT		
• Compare height (taller, shorter), length (longer, shorter), volume (full, empty), weight (heavier, lighter), temperature (hotter, colder) • Recognize and know the use of measurement tools: ruler, scale, and thermometer • Read a thermometer	• Understand inches, feet, cups, pints, quarts • Correctly read a thermometer	• Understand liquid measures and equivalents • Read a thermometer • Understand linear measurements and equivalents
GEOMETRY		
•Recognize basic shapes • Understand the attributes of basic shapes • Identify patterns	• Know basic shapes and shape words • Understand the attributes of basic shapes	• Master identification of basic shapes including ovals, pentagons, and diamonds • Give the attributes of basic shapes

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