Westfield Public School District

Grade 2 Math Benchmarks

Needs Support	**P**rogressing Toward Standard	**A**chieves Standard	**E**xceeds Standard
Not yet grasping or applying key concepts and skills, and requires constant teacher support...	Beginning to grasp key concepts and skills and progressing toward stated benchmarks...	Consistently grasps and applies concepts and skills while meeting stated benchmarks...	Consistently extends key concepts and skills and works beyond stated benchmarks...

Benchmarks for Operations and Algebraic Thinking

Solves problems involving addition and subtraction

Trimester #1	Trimester #2	Trimester #3
❏ Use addition and subtraction within 50 to solve one-step word problems	❏ Use addition and subtraction within 50 to solve one-step and two-step word problems	❏ Use addition and subtraction within 100 to solve one-step and two-step word problems

Adds and subtracts within 20

Trimester #1	Trimester #2	Trimester #3
❏ Fluently adds and subtracts within 10 using mental strategies	❏ Fluently adds and subtracts within 20 using mental strategies	❏ Know from memory all sums of two one-digit numbers ❏ Fluently adds and subtracts within 20 using mental strategies

Developing foundations for multiplication

Trimester #1	Trimester #2	Trimester #3
❏ Determine whether a group of objects (up to 20) has an even or odd number of members ❏ Write an equation to express an even number as a sum of two equal addends	❏ Determine whether a group of objects (up to 20) has an even or odd number of members ❏ Write an equation to express an even number as a sum of two equal addends	❏ Use addition to find the total number of objects arranged in rectangular arrays ❏ Write an equation to express the total as a sum of equal addends

Benchmarks for Operations and Place Value

Understands place value

Trimester #1	Trimester #2	Trimester #3
❑ Count within 100 and skip-counts by 5s and 10s	❑ Understand the three digits of a three-digit number represent amounts of hundreds, tens and ones ❑ Understands bundles of 10s to make 100 ❑ Read and write numbers to 500 using base-ten numerals, number names and expanded form ❑ Compare two three-digit numbers using <, >, and = symbols	❑ Fluently reads and writes numbers to 1000 using base-ten numerals, number names and expanded form ❑ Fluently compares two three-digit numbers using <, >, and = symbols

Applies place value to add and subtract in Base 10

Trimester #1	Trimester #2	Trimester #3
❑ Add and subtract within 20 by manipulating tens and using like units involving situations of adding to and putting together	❑ Fluently add and subtract within 100 using strategies based on place value, properties of operations or the relationship between addition and subtraction ❑ Mentally add or subtract 10 or 100 from a given number 100-900	❑ Add up to four two-digit numbers using strategies based on place value or properties of operations ❑ Understand that in adding or subtracting three-digit numbers, one adds or subtracts based on place value and sometimes it is necessary to compose or decompose tens or hundreds ❑ Explain why addition and subtraction strategies work

Benchmarks for Measurement and Data

Measures lengths in standard units

Trimester #1	Trimester #2	Trimester #3
This skill is taught in subsequent trimesters	❑ Measure the length of an object by selecting and using tools such as rulers, yardsticks, meter sticks, and measuring tapes ❑ Measure the length of an object twice, using different units and describe how the two measurements relate to the size of the chosen unit	❑ Estimate lengths using units of inches, feet, centimeters, and meters ❑ Measure to determine how much longer one object is than another, express the length difference in terms of a standard length unit

Relates addition and subtraction to length		
Trimester #1	**Trimester #2**	**Trimester #3**
❏ Represent whole numbers as lengths from 0 on a number line with appropriate spacing	❏ Represent whole number sums and differences within 100 on a number line diagram	❏ Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units

Tells and writes time		
Trimester #1	**Trimester #2**	**Trimester #3**
This skill is taught in subsequent trimesters	❏ Tell and write time from analog and digital clocks to the nearest five minutes using am and pm	❏ Fluently tells and writes time from analog and digital clocks to the nearest five minutes using am and pm

Works with money		
Trimester #1	**Trimester #2**	**Trimester #3**
❏ Recognizes the value of coins and finds the total value of a group of coins ❏ Exchanges appropriate coins to make $1, $1 bills to make a $10 bill and $10 bills to make a $100 bill	❏ Represents a monetary quantity in multiple ways ❏ Calculates the change under $1 when purchasing items	❏ Solve word problems involving dollar bills, quarters, dimes, nickels and pennies, using appropriate symbols

Represents and interprets data		
Trimester #1	**Trimester #2**	**Trimester #3**
❏ Record and organize data in tables with numerical values or pictures (ex. Sorting coins or results during a game)	❏ Answers questions using information in graphs	❏ Construct picture graphs and bar graphs to represent a data set with up to four categories ❏ Solve simple put together, take-apart, and compare questions using information presented in a bar graph

Benchmarks for Geometry

Understands shapes and their attributes		
Trimester #1	**Trimester #2**	**Trimester #3**
This skill is taught in subsequent trimesters	❏ Construct shapes based on the number of sides	❏ Recognize and draw shapes having specified attributes, such as given number of angles or a given number of equal faces ❏ Partition circles and rectangles into two, three or four equal shares and describe the whole as two halves, three thirds, four fourths ❏ Recognize that equal shares of identical wholes need not have the same shape

Benchmarks for General Mathematical Practices

Applies mathematical practices and thinking

Trimester #1	Trimester #2	Trimester #3
❏ Makes sense of problems and perseveres in solving them ❏ Reasons abstractly and quantitatively ❏ Constructs viable arguments and critiques the reasoning of others ❏ Models with mathematics ❏ Uses appropriate tools strategically ❏ Attends to precision	❏ Makes sense of problems and perseveres in solving them ❏ Reasons abstractly and quantitatively ❏ Constructs viable arguments and critiques the reasoning of others ❏ Models with mathematics ❏ Uses appropriate tools strategically ❏ Attends to precision	❏ Makes sense of problems and perseveres in solving them ❏ Reasons abstractly and quantitatively ❏ Constructs viable arguments and critiques the reasoning of others ❏ Models with mathematics ❏ Uses appropriate tools strategically ❏ Attends to precision