

Guided Math – Grade 2 Scope & Sequence

Lesson #	Objectives & Skills	CCSS
Unit 1: Number Sense & Place Value		
UI - L1	Introduction to Numbers: understand and practice how to show numbers in different ways, part/part/whole relationship, number bonds	2.NBT.3
UI - L2	Building Numbers: understand and practice how to show numbers in different ways, part/part/whole relationship, number bonds, building numbers using snap cubes	2.NBT.3
UI - L3	Building Numbers with Tens Frames: practice how to show numbers in different ways, part/part/whole relationship, number bonds, building numbers using tens frames	2.NBT.3
UI - L4	Building Numbers with Base 10 Blocks: understand and practice how to show numbers in different ways, part/part/whole relationships, build numbers using base 10 blocks	2.NBT.1, 2.NBT.3
UI - L5	Odd or Even Numbers: building numbers using Base 10 blocks/discs, patterning of numbers, odd and even numbers	2.OA.3
UI - L6	Comparing 2-Digit Numbers: compare numbers within 100, use mathematical symbols to show greater than/less than/equal to, use mathematical terminology to explain numbers	2.NBT.3, 2.NBT.4
UI - L7	Ordering Numbers: order numbers from least to greatest and greatest to least, use $<$, $>$, $=$ to order numbers	2.NBT.3, 2.NBT.4
UI - L8	Mental Math using a Hundreds Chart: use a hundreds chart to understand one more/one less/ten more/ten less than a number, thinking abstractly to add/subtract using mental math	2.NBT.8
UI - L9	Mental Math (Day 2): use a hundreds chart to understand one more/one less/ten more/ten less than a number, thinking abstractly to add/subtract using mental math	2.NBT.8
UI - L10	Skip Counting on a Number Line: use a number line to count forward and backward, practice counting by 2s, 3s, 5s, and 10s using a number chart	2.NBT.2
UI - L11	Building 3-Digit Numbers: understand and practice how to show numbers in different ways, part/part/whole relationships, build 3-digit numbers, understand bigger/smaller numbers	2.NBT.1, 2.NBT.3

Guided Math – Grade 2 Scope & Sequence

Lesson #	Objectives & Skills	CCSS
UI - LI2	Comparing 3-Digit Numbers: compare numbers within 100, use mathematical symbols to show greater than/less than/equal to, use mathematical terminology to explain numbers	2.NBT.3, 2.NBT.4
UI - LI3	Mental Math with 3-Digit Numbers: use mental math & place value strategies to understand one more/one less/ten more/ten less/hundred more/hundred less	2.NBT.8
UI - LI4	Ordering Numbers: order numbers from least to greatest and greatest to least, use $<$, $>$, $=$ to order numbers	2.NBT.3, 2.NBT.4

Unit 2: Addition and Subtraction {No Regrouping}

U2 - LI	Introduction to Addition & Subtraction: use a mentor-text to introduce the new unit of study, understand and practice addition and subtraction strategies	2.OA.2
U2 - L2	Fact Families & Turn-Around Facts: to practice addition strategies, understand the commutative property of addition, understand what makes up a fact family	2.OA.2
U2 - L3	Doubles Facts Strategy: to practice addition strategies, understand the doubles facts strategy, practice and remember the doubles facts poem	2.OA.2
U2 - L4	Doubles Plus One Strategy: to practice addition strategies, understand the doubles plus one strategy, practice and remember the doubles facts poem	2.OA.2
U2 - L5	Make a Ten Fact Strategy: to practice addition strategies, understand the make a ten strategy, practice combinations of ten, conceptually subitize using ten frames	2.OA.2
U2 - L6	Nines Strategy: to practice addition strategies, understand the make the nines strategy (think 10 subtract 1), practice tens facts to help solve nines facts	2.OA.2
U2 - L7	Counting Back Strategy: to understand and practice the counting back strategy, use a number line, introduce subtraction strategies using a mentor-text	2.OA.2
U2 - L8	Addition (2-Digit + 1-Digit) : use the decomposition method to practice adding a 2-digit number to a 1-digit number	2.NBT.5

Guided Math – Grade 2 Scope & Sequence

Lesson #	Objectives & Skills	CCSS
U2 - L9	Addition (2-Digit + 2-Digit) : use the decomposition method to practice adding a 2-digit number to a 2-digit number without regrouping (Day 2 -Vertical Algorithm if applicable)	2.NBT.5
U2 - L10	Addition (3-Digit + 2-Digit) : use the decomposition method to practice adding a 3-digit number to a 2-digit number without regrouping (Day 2 -Vertical Algorithm if applicable)	2.NBT.5
U2 - L11	Addition (3-Digit + 3-Digit) : use the decomposition method to practice adding a 3-digit number to a 3-digit number without regrouping (Day 2 -Vertical Algorithm if applicable)	2.NBT.5
U2 - L12	Subtraction (2-Digit - 1-Digit) : use the decomposition method to practice subtracting a 1-digit number from a 2-digit number without regrouping (Day 2 -Vertical Algorithm if applicable)	2.NBT.5
U2 - L13	Subtraction (2-Digit - 2-Digit) : use the decomposition method to practice subtracting a 2-digit number from a 2-digit number without regrouping (Day 2 -Vertical Algorithm if applicable)	2.NBT.5
U2 - L14	Subtraction (3-Digit - 2-Digit) : use the decomposition method to practice subtracting a 2-digit number from a 3-digit number without regrouping (Day 2 -Vertical Algorithm if applicable)	2.NBT.5
U2 - L15	Subtraction (3-Digit - 3-Digit) : use the decomposition method to practice subtracting a 3-digit number from a 3-digit number without regrouping (Day 2 -Vertical Algorithm if applicable)	2.NBT.5

Unit 3: Addition and Subtraction {With Regrouping}

U3 - L1	Introduction to Addition with Regrouping: mentor-text introduction, understand mathematical terminology (regrouping/renaming), why we must regroup, use different addition strategies	2.NBT.7
U3 - L2	Adding 2-Digit Numbers: understand mathematical terminology (regrouping/renaming), use different addition strategies, use base 10 blocks to practice addition with regrouping	2.NBT.7
U3 - L3	Adding 2-Digit Numbers (Day 2): using decomposition method to add two 2-digit numbers, use base 10 blocks and/or place value discs to practice addition with regrouping	2.NBT.7
U3 - L4	Adding 2-Digit Numbers into the Hundreds Place: using decomposition method to add two 2-digit numbers, use base 10 blocks/place value discs to practice addition with regrouping	2.NBT.7

Guided Math – Grade 2 Scope & Sequence

Lesson #	Objectives & Skills	CCSS
U3 - L5	Adding 2-Digit Numbers into the Hundreds Place: using decomposition method to add two 2-digit numbers, use base 10 blocks/place value discs to practice addition with regrouping	2.NBT.7
U3 - L6	Adding a 3-Digit Number & 2-Digit Number: using decomposition method to add a 3-digit number and a 2-Digit number, use place value discs to practice addition with regrouping	2.NBT.7
U3 - L7	Adding a 3-Digit Number & 3-Digit Number: using decomposition method to add a 3-digit number and a 3-Digit number, solve story problems with addition strategies & regrouping	2.NBT.7
U3 - L8	Adding Three or More Addends: learn and practice adding equations with three or more addends	2.NBT.6, 2.NBT.7
U3 - L9	Introduction to Subtraction w/ Regrouping: mentor-text introduction, mathematical terminology (regrouping/renaming), why we must regroup, use different subtraction strategies	2.NBT.7
U3 - L10	Subtracting 2-Digit Numbers: understand mathematical terminology (regrouping/renaming), use different subtraction strategies, use base 10 blocks to practice subtraction with regrouping	2.NBT.7
U3 - L11	Subtracting 2-Digit Numbers (DAY 2) : understand mathematical terminology, use different subtraction strategies, use base 10 blocks to practice subtraction with regrouping	2.NBT.7
U3 - L12	Subtracting a 2-Digit Number from a 3-Digit Number : practice subtracting using the decomposition method OR vertical algorithm with regrouping	2.NBT.7
U3 - L13	Subtracting a 2-Digit Number from a 3-Digit Number (DAY 2): practice subtracting using the decomposition method OR vertical algorithm with regrouping	2.NBT.7
U3 - L14	Subtracting Over Zeros: practice subtracting using the decomposition method OR vertical algorithm with regrouping over zeros using the compensation method	2.NBT.7
U3 - L15	Problem Solving with Addition & Subtraction: solve one and two-step word problems using addition and subtraction strategies using the decomposition method OR vertical algorithm	2.NBT.9, 2.OA.1

Guided Math – Grade 2 Scope & Sequence

Lesson #	Objectives & Skills	CCSS
Unit 4: Measurement		
U4 - L1	Introduction to Standard & Non-Standard Measurement: mentor-text introduction, understand the concept of standard and non-standard forms of measurement	2.MD.A.2
U4 - L2	Measuring & Comparing Length: use non-standard measurement to compare the length of objects, use 2 different sized non-standard measuring tools	2.MD.A.2
U4 - L3	Measuring with Centimeters: mentor-text introduction, estimate and measure length to the nearest centimeter, use a centimeter ruler to draw lines of differing lengths	2.MD.A.1, 2.MD.A.2, 2.MD.A.3, 2.MD.A.4
U4 - L4	Measuring with Meters: estimate and measure length to the nearest meter, understand the metric system of measurement, measure objects using a meter stick	2.MD.A.1, 2.MD.A.2, 2.MD.A.3, 2.MD.A.4
U4 - L5	Measuring with Inches: estimate and measure length to the nearest inch, use an inch ruler to measure objects, understand the Imperial system of measurement	2.MD.A.1, 2.MD.A.2, 2.MD.A.3, 2.MD.A.4
U4 - L6	Measuring with Feet & Yards: estimate and measure length to the nearest foot/yard, use an yardstick to measure objects, understand the Imperial system of measurement	2.MD.A.1, 2.MD.A.2, 2.MD.A.3, 2.MD.A.4
U4 - L7	Measuring Curved Lines: estimate and measure curved lengths with a string, use and inch ruler/ centimeter ruler to measure strings	2.MD.A.1, 2.MD.A.2, 2.MD.A.3, 2.MD.A.4
U4 - L8	Using Number Lines: use a number line to solve word problems involving measurement, rulers have equally spaced lines just like a number line	2.MD.A.5, 2.MD.A.6
U4 - L9	Solving Measurement Word Problems: use the Three-Read strategy to solve word problems involving measurement	2.MD.A.5, 2.MD.A.6

Guided Math – Grade 2 Scope & Sequence

Lesson #	Objectives & Skills	CCSS
<h2>Unit 5: Multiplication</h2>		
U5 - L1	Introduction to Multiplication & Equal Groups: mentor-text introduction. understand repeated addition is multiplication. write multiplication equations based on equal groups	2.OA.3
U5 - L2	Differences in Addition and Multiplication: understand the difference between and addition & multiplication equation. focus on part/part/whole in addition and multiplication	2.OA.3
U5 - L3	Understanding Arrays: use rectangular arrays to show and understand multiplication. write related multiplication facts based on rectangular arrays	2.OA.4
U5 - L4	Counting & Multiplying by 2s: count by 2s. write multiplication facts for 2	2.OA.3
U5 - L5	Counting & Multiplying by 3s: count by 3s. write multiplication facts for 3	2.OA.3
U5 - L6	Counting & Multiplying by 5s: count by 5s. write multiplication facts for 5	2.NBT.2, 2.OA.3
U5 - L7	Counting & Multiplying by 10s: count by 10s. write multiplication facts for 10	2.NBT. 2, 2.OA.3
U5 - L8	Solving Multiplication Word Problems: use the Three-Read Strategy to solve word problems involving multiplication scenarios	3.OA.3

Guided Math – Grade 2 Scope & Sequence

Lesson #	Objectives & Skills	CCSS
<h2>Unit 6: Money</h2>		
U6 - L1	Introduction to Money: mentor-text introduction, why money was created, coin identification and value	2.MD.8
U6 - L2	Counting Nickels and Pennies: counting pennies, counting pennies and nickels, count and record sums of money, practice identifying coins	2.MD.8
U6 - L3	Counting Dimes and Pennies: counting pennies, counting pennies and dimes, count and record sums of money, practice identifying coins	2.MD.8
U6 - L4	Counting Dimes, Nickels, and Pennies: counting pennies, counting nickels, counting dimes, nickels, and pennies, count and record sums of money, practice identifying coins	2.MD.8
U6 - L5	Counting Quarters and Pennies: counting pennies, counting pennies and quarters, count and record sums of money, practice identifying coins	2.MD.8
U6 - L6	Counting Quarters, Nickels, and Pennies: counting pennies, nickels, and quarters, record sums of money, practice identifying coins	2.MD.8
U6 - L7	Counting Quarters, Dimes, Nickels, and Pennies: counting pennies, nickels, dimes and quarters, record sums of money, practice identifying coins	2.MD.8
U6 - L8	Different Ways to Create Sums of Money: practice counting coins, make specific amounts of money using a variety of coins	2.MD.8
U6 - L9	Making Change: use the “count up” strategy to make change, subtract to make change	not in the CCSS (use if applicable)
U6 - L10/L11	Adding Money: use the decomposition method to add amounts of money, OR use a vertical algorithm to add sums of money (if applicable to your district mandates)	2.MD.8
U6- L12/L13	Subtracting Money: use the decomposition method to subtract amounts of money, OR use a vertical algorithm to subtract sums of money (if applicable to your district mandates)	2.MD.8

Guided Math – Grade 2 Scope & Sequence

Lesson #	Objectives & Skills	CCSS
<h2>Unit 7: Fractions</h2>		
U7 - L1	Introduction to Fractions: mentor-text introduction, equal parts of a whole, recognize and name fractions (halves, thirds, fourths)	2.G.2, 2.G.3
U7 - L2	Understanding Fractions: create equal parts of a shape, use pattern blocks to understand parts of a whole, understand $\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{6}$ mean	2.G.3
U7 - L3	Writing and Making Fractions: dividing shapes into equal parts, shading and labeling fractional parts, writing fractions	2.G.2, 2.G.3
U7 - L4	Recognize & Understand Fractions: recognize fractions ($\frac{1}{2}$, $\frac{1}{3}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{1}{6}$), understand size of fraction in relation to the numeric fraction	2.G.3
U7 - L5	Creating Fractions to Make a Whole: identify fractions of a whole, read/write fractions, use fractions to make a whole	2.G.3
U7 - L6	Comparing Fractions: compare fractions, compare fractions using $<$, $>$, or $=$	2.G.3
U7 - L7	Ordering Fractions: compare fractions by ordering from least to greatest and greatest to least, use $<$ and $>$ to order fractions	2.G.3
U7 - L8	Problem Solving: create word problems that incorporate fractions using flower petals, solve word problems that incorporate fractions	2.G.3

Guided Math – Grade 2 Scope & Sequence

Lesson #	Objectives & Skills	CCSS
Unit 8: Telling Time		
U8 - L1	Introduction to Time: mentor-text introduction, parts of a clock, label a clock and its parts	2.MD.C.7
U8- L2	Time to the Hour and Half Hour: use time vocabulary, use an analog clock to show a digital time, understand hours, minutes, and seconds	2.MD.C.7
U8- L3	Telling Time - 5-Minute Intervals: count clock minutes by 5s, draw hands on analog clock showing 5-minute intervals, tell digital time based on an analog clock, understand a.m. and p.m.	2.MD.C.7
U8 - L4	Telling Time to the Quarter Hour: clock is divided into 4 parts, use terminology quarter after and quarter to/before to explain the time on an analog/digital clock	2.MD.C.7
U8 - L5	Telling Time to the Minute (2-Day Lesson): minutes between 5-minute intervals on clocks, understand how the hour hand moves closer to the next hour	2.MD.C.7
U8 - L6	Elapsed Time: understand what elapsed time is, use an analog clock to show elapsed time	2.MD.C.7
U8 - L7	Elapsed Time Practice: continue to practice/understand elapsed time, use an analog clock to show elapsed time, show elapsed time over multiple start times throughout the day	2.MD.C.7

Guided Math – Grade 2 Scope & Sequence

10

Lesson #	Objectives & Skills	CCSS
Unit 9: Graphing		
U9 - L1	Introduction to Graphing: mentor-text introduction, different ways to show data, difference between a bar graph, picture graph, and line plot, create a picture graph from data	2.MD.10
U9 - L2	Creating, Reading, & Interpreting Bar Graphs: review picture graphs, create a picture graph based on a survey question, interpret picture graphs, create & answer questions	2.MD.10
U9 - L3	Create an Original Picture Graph: create a survey question to be answered via creation of a picture graph, interpret picture graphs, create & answer questions based on a picture graph	2.MD.10
U9 - L4	Creating, Reading, & Interpreting Bar Graphs: review bar graphs, create a bar graph based on a survey question, interpret bar graphs, create & answer questions	2.MD.10
U9 - L5	Creating, Reading, & Interpreting Bar Graphs: review bar graphs, create a bar graph based on a survey question, interpret bar graphs, create & answer questions	2.MD.10
U9 - L6	Create an Original Bar Graph: create a survey question to be answered via creation of a bar graph, interpret bar graphs, create & answer questions based on a bar graph	2.MD.10
U9 - L7	Creating, Reading, & Interpreting Line Plots: learn & understand line plots, create a line plot based on a survey question, interpret line plots, create & answer questions	2.MD.9, 2.MD.10
U9 - L8	Creating, Reading, & Interpreting Line Plots: learn & understand line plots, create a line plot based on a survey question, interpret line plots, create & answer questions	2.MD.9, 2.MD.10
U9 - L10	Create an Original Line Plot: review line plots, measure objects to create a line plot, interpret the line plot, create & answer questions based on the line plot	2.MD.9, 2.MD.10

Guided Math – Grade 2 Scope & Sequence



Lesson #	Objectives & Skills	CCSS
<h2>Unit 10: Geometry</h2>		
U10 - L1	Introduction to Geometry: mentor-text introduction, differentiation between 2D and 3D shapes, identify plane and solid shapes, brainstorm attributes of plane shapes	2.G.1
U10 - L2	Investigating Solid Shapes: identify solid shapes, attributes of solid shapes, identify 2D shapes on a 3D shape	2.G.1
U10 - L3	Creating Solid Shapes: create 3D shapes from nets, identify 3D shapes and their attributes	2.G.1
U10 - L4	Creating Composite Shapes: combine common shapes to make new shapes, divide a shape into common shapes	2.G.1
U10 - L5	Creating More Composite Shapes: combine pattern blocks to make new shapes, divide a shape into common shapes	2.G.1
U10 - L6	Creating 3-D Figures: to combine 2D shapes to make 3D shapes, use marshmallows to create 3D shapes	2.G.1