Hamilton Heights School Corporation
2nd Grade Math Curriculum Map

Grade Level: Second Grade	Academic Year: 2025-2026

Math

Unit 1 : Math is……

Essential Questions: What does it mean to do math?

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide
1-1 Math Mine	Reveal Math Online	1.NS.4	Students describe how math is used in their daily lives.		
1-2 Math is Exploring and Thinking	Reveal Math Online	1.CA.4	Students will explore options for understanding a problem and strategies for solving it.		
1-3 Math is In My World	Reveal Math Online	1.NS.5	Students use mathematics to represent real-world situations and problems.		

1-4 Math is Explaining and Sharing	Reveal Math Online	1.CA.5	Students explore ways to construct arguments to support their thinking.		
1-5 Math is Finding Patterns	Reveal Math Online	1.CA.1	Students explore strategies for uncovering patterns and for using patterns to solve problems		
1-6 Math is Ours	Reveal Math Online	1.NS.1	Students discuss and decide on classroom norms of interaction for a productive math learning environment.	Formative Assessment: Unit 1 Fluency Practice	
Unit 2 : Place Value to 1,000					
Essential Questions: How can I use place value to understand and compare numbers to 1,000?					
Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide
2-1 Understand Hundreds	Reveal Math Online	2.NS.6	Students will explain hundreds with regard to place value - 100 is one hundred, 10 tens, etc.		
2-2 Understand 3-Digit	Reveal Math Online	2.NS.6	Students explain what		

Numbers			the digits in a 3-digit number represent.		
2-3 Read and Write Numbers to 1,000	Reveal Math Online	2.NS.2	Students read and write numbers to 1,000.		
2-4 Decompose 3-Digit Numbers	Reveal Math Online	2.NS.6 2.NS.2	Students decompose 3-digit numbers by grouping the hundreds, tens, and ones in different ways.		
Math Probe: Building Numbers	Reveal Math Online	2.NS.6	Students compose and decompose numbers based on different place value combinations.	Formative Assessment: Unit 2 Fluency Practice	
2-5 Compare 3-Digit Numbers	Reveal Math Online	2.NS.7	Students use words and symbols to compare 3-digit numbers.		
IN Lesson Ordinal Numbers	Reveal Math Online	2.NS.4	Students will understand the meaning of ordinal numbers.	End of Unit: Unit 2 Summative Assessment	
Unit 3 : Patterns Within Numbers					

Essential Questions: How can I use patterns to count and add numbers?					
Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide
3-1 Counting Patterns	Reveal Math Online	2.NS.1	Students describe patterns when counting by 1s within 1,000.		
3-2 Patterns When Skip Counting by 5's	Reveal Math Online	2.NS.1	Students skip count by 5s within 1,000.		
3-3 Patterns When Skip Counting by 10's and 100's	Reveal Math Online	2.NS.1	Students skip count by 10s and 100s within 1,000.		
Math Probe: Counting by 1s, 5s, and 10s.	Reveal Math Online	2.NS.1	Students will understand counting by 1s, 5s, and 10s.	Formative Assessment: Unit 3 Fluency Practice	
3-4 Understand Even and Odd Numbers	Reveal Math Online	2.NS.5	Students determine if the number of objects in a group is even or odd.		
3-5 Addition Patterns	Reveal Math Online	2.NS.5	Students write an equation to express an even number as a sum of two equal addends.		
3-6 Patterns with Arrays	Reveal Math Online	2.CA.5	Students use skip counting to find the total number of objects		

			in an array.		
3-7 Use Arrays to Add	Reveal Math Online	2.CA.5	Students use arrays to find the sum of equal addends.	End of Unit: Unit 3 Summative Assessment	
Unit 4 : Meanings of Addition and Subtraction (teach unit 5 and 6 before 4?)					
Essential Questions: How can I represent and solve addition and subtraction word problems?					
Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide
4-1 Represent and Solve Add to Problems	Reveal Math Online	2.CA.2	Students will represent and solve “add to” problems.		
4-2 Represent and Solve Take From Problems	Reveal Math Online	2.CA.2	Students will represent and solve “take from” problems.		
4-3 Solve Two-Step Add to and Take From Problems	Reveal Math Online	2.CA.2	Students will solve two-step “add to” and “take from” problems.		
4-4 Represent and Solve Put Together Problems	Reveal Math Online	2.CA.2	Students will represent and solve “put together” problems.		
4-5 Represent and Solve Take Apart Problems	Reveal Math Online	2.CA.2	Students will represent and solve “take apart” problems.		

4-6 Solve Two-Step Put Together and Take Apart Problems	Reveal Math Online	2.CA.2	Students will solve two-step “put together” and “take apart” problems.		
4-7 Represent and Solve Compare Problems	Reveal Math Online	2.CA.2	Students will represent and solve “compare problems.”		
4-8 Represent and Solve More Compare Problems	Reveal Math Online	2.CA.2	Students will represent and solve “compare problems.”		
Math Probe: Addition and Subtraction Equations	Reveal Math Online	2.CA.2	Students will solve a problem using a strategy of their choice.	Formative Assessment: Unit 4 Fluency Practice	
4-9 Solve Two-Step Problems with Comparison	Reveal Math Online	2.CA.2	Students will talk about solving two-step problems involving comparison.		
4-10 Solve Two-Step Problems Using Addition and Subtraction	Reveal Math Online	2.CA.2	Students solve two-step problems using addition and subtraction.	End of Unit: Unit 4 Summative Assessment	

Unit 5: Strategies to Fluently Add within 100

Essential Questions: What strategies can I use to add 2-digit numbers?

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide
5-1 Strategies to Add Fluently within 20	Reveal Math Online	2.CA.1	Students will add fluently within 20.		
5-2 More Strategies to Add Fluently within 20	Reveal Math Online	2.CA.2	Students will add fluently within 20.		
5-3 Represent Addition with 2-Digit Numbers	Reveal Math Online	2.CA.1	Students will represent addition of 2-digit numbers to find the sum.		
5-4 Use Properties to Add	Reveal Math Online	2.CA.1	Students will understand that addends added in any order have the same sum.		
5-5 Decompose Two Addends to Add	Reveal Math Online	2.CA.1	Students will decompose two addends to add.		
5-6 Use a Number Line to Add	Reveal Math Online	2.NS.3	Students will use a number line to add.		
5-7 Decompose One Addend to Add	Reveal Math Online	2.CA.1	Students will decompose one addend to add.		
5-8 Adjust Addends to Add	Reveal Math Online	2.CA.1	Students will adjust addends to add.		

Math Probe: Addition Strategies	Reveal Math Online	2.CA.1	Students will determine whether a given strategy is a correct approach to add two 2-digit numbers.	Formative Assessment: Unit 5 Fluency Practice	
5-9 Add More Than Two Numbers	Reveal Math Online	2.CA.6	Students add up to four 2-digit numbers.		
5-10 Solve One and Two-Step Problems Using Addition	Reveal Math Online	2.CA.2	Students will solve one- and two-step addition word problems. f	End of Unit: Unit 5 Summative Assessment	

Unit 6: Strategies to Fluently Subtract within 100

Essential Questions: What strategies can I use to subtract 2-digit numbers?

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide
6-1 Strategies to Subtract Fluently within 20	Reveal Math Online	2.CA.2	Students subtract fluently within 20.		
6-2 More Strategies to Subtract Fluently within 20	Reveal Math Online	2.CA.2	Students subtract fluently within 20.		
6-3 Represent Subtraction with 2-Digit Numbers	Reveal Math Online	2.CA.1	Students represent and solve 2-digit subtraction equations		

			that require no regrouping.		
6-4 Represent 2-Digit Subtraction with Regrouping	Reveal Math Online	2.CA.1	Students represent and solve 2-digit subtraction equations that require regrouping.		
6-5 Use a Number Line to Subtract	Reveal Math Online	2.NS.3	Students will use a number line to subtract.		
6-6 Decompose Numbers to Subtract	Reveal Math Online	2.CA.1	Students will decompose one number by place value to subtract 2-digit numbers.		
6-7 Adjust Numbers to Subtract	Reveal Math Online	2.CA.1	Students will adjust numbers to subtract.		
Math Probe Subtraction Strategies	Reveal Math Online	2.CA.1	Students will determine if a given strategy is a correct approach to perform 2-digit subtraction.	Formative Assessment: Unit 6 Fluency Practice	
6-8 Relate Addition to Subtraction	Reveal Math Online	2.CA.1	Students will use addition to solve 2-digit subtraction equations.		

6-9 Solve One-Step Problems Using Subtraction	Reveal Math Online	2.CA.2	Students will solve one-step word problems within 100.		
6-10 Solve Two-Step Problems using Subtraction	Reveal Math Online	2.CA.2	Students will solve two-step word problems within 100.	End of Unit: Unit 6 Summative Assessment	

Unit 7 : Measure and Compare Lengths

Essential Questions: How do I estimate and measure length in standard units?

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide
7-1 Measure Length with Inches	Reveal Math Online	2.M.2	Students will measure the length of objects in inches.		
7-2 Measure Length with Feet and Yards	Reveal Math Online	2.M.2	Students will measure the length of objects in feet and yards.		
7-3 Compare Lengths Using Customary Units	Reveal Math Online	2.M.1	Students will determine the difference in length of two objects measured with the same unit.		
7-4 Relate Inches, Feet, and Yards	Reveal Math Online	2.M.3	Students will explain the relationships		

			between inches, feet, and yards.		
7-5 Estimate Length Using Customary Units	Reveal Math Online	2.M.2	Students will use everyday objects with lengths similar to inches and feet to estimate lengths.		
7-6 Measure Length with Centimeters and Meters	Reveal Math Online	2.M.2	Students will determine the difference in length of two objects measured with the same unit.		
7-7 Compare Lengths Using Metric Units	Reveal Math Online	2.M.1	Students will determine the difference in length of two objects measured with the same unit.		
7-8 Relate Centimeters and Meters	Reveal Math Online	2.M.3	Students will explain the relationship between centimeters and meters.		
Math Probe - Relating Measurement	Reveal Math Online		Students will determine the unit used to measure objects.	Formative Assessment: Unit 7 Fluency Practice	
7-9 Estimate Length Using Metric Units	Reveal Math Online	2.M.2	Students will use everyday objects with		

			lengths similar to centimeters and meters to estimate length.		
7-10 Solve Problems Involving Length	Reveal Math Online	2.CA.3	Students will solve addition and subtraction word problems involving length.		
7-11 Solve More Problems Involving Length	Reveal Math Online	2.CA.3 2.NS.3	Students will use number lines to solve addition and subtraction word problems involving length.		
IN Lesson - Liquid Volume	Reveal Math Online	2.CA.3 2.NS.3	Students will understand and know how to determine liquid volume.	End of Unit: Unit 7 Summative Assessment	

Unit 8: Measurement: Money and Time

Essential Questions: How do I measure money and time?

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide
8-1 Understand the Values	Reveal Math Online	2.M.7	Students will identify		

of Coins (Launch-1 day and coin , 2 Days for lesson)			the value of these U.S. coins: penny, nickel, dime, and quarter.		
8-2 Solve Money Problems Involving Coins (2 days)	Reveal Math Online	2.M.7	Students determine the value of a set of coins of different denominations.		
Math Probe - Counting Coins (2 days)	Reveal Math Online	2.M.7	Students will determine if the amount of money shown is 86 cents.	Formative Assessment: Unit 8 Fluency Practice	
Review of Coins	Reveal Math Online	2.M.7			
Assess Coins	Reveal Math Online	2.M.7		Seesaw Coin Assessment End of Money Unit: Assessment	
8-3 Tell Time to the Nearest 5 Minutes (3 days)	Reveal Math Online	2.M.5	Students will use analog and digital clocks to tell and write time.		
8-4 Be Precise when Telling Time	Reveal Math Online	2.M.5	Students will determine whether the time of an event is a.m. or p.m.		
IN Lesson - Time Relationship	Reveal Math Online	2.M.5		End of Unit: Unit 8 Time Summative Assessment	

Unit 9: Strategies to Add Three Digit Numbers

Essential Questions: How do I use different strategies to add 3-digit numbers?

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide
9-1 Use Mental Math to Add 10 or 100	Reveal Math Online	2.CA.1	Students mentally add 10 or 100 to a 3-digit number.		
9-2 Represent Addition with 3-Digit Numbers	Reveal Math Online	2.CA.4	Students will represent and solve 3-digit addition equations that require no regrouping.		
9-3 Represent Addition with 3-Digit Numbers with Regrouping	Reveal Math Online	2.CA.4	Students will represent and solve 3-digit addition equations that require regrouping the ones and tens.		
9-4 Decompose Addends to Add 3-Digit Numbers	Reveal Math Online	2.CA.4	Students will decompose two addends to add 3-digit numbers.		
9-5 Decompose One Addend to Add 3-Digit Numbers	Reveal Math Online	2.CA.4	Students will decompose one addend to add 3-digit numbers.		

9-6 Adjust Addends to Add 3-Digit Numbers	Reveal Math Online	2.CA.4	Students will adjust addends to add 3-digit numbers.		
9-7 Explain Addition Strategies	Reveal Math Online	2.CA.6	Students will explain the strategies they use to add 3-digit numbers.		
Math Probe - Addition Word Problems	Reveal Math Online	2.CA.4 2.CA.6		Formative Assessment: Unit 9 Fluency Practice End of Unit: Unit 9 Summative Assessment	

Unit 10: Strategies to Subtract Three Digit Numbers

Essential Questions: How do I use different strategies to subtract 3-digit numbers?

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide
10-1 Use Mental Math to Subtract 10 or 100	Reveal Math Online	2.CA.1	Students will mentally subtract 10 or 100 from a 3-digit number.		
10-2 Represent Subtraction with 3-Digit Numbers	Reveal Math Online	2.CA.4	Students will represent and solve 3-digit subtraction equations that require no regrouping.		

10-3 Decompose One 3-Digit Number to Count Back	Reveal Math Online	2.CA.4	Students will decompose one number by place value to count back to subtract 3-digit numbers.		
10-4 Count On to Subtract 3-Digit Numbers	Reveal Math Online	2.CA.4	Students will count on to subtract 3-digit numbers.		
10-5 Regroup Tens	Reveal Math Online	2.CA.4	Students will represent and solve 3-digit subtraction equations that require regrouping a ten.		
10-6 Regroup Tens and Hundreds	Reveal Math Online	2.CA.4	Students will represent and solve 3-digit subtraction equations that require regrouping a ten and a hundred.		
10-7 Adjust Numbers to Subtract Subtract 3-Digit Numbers	Reveal Math Online	2.CA.4	Students will adjust numbers to subtract 3-digit numbers.		
10-8 Explain Subtraction Strategies	Reveal Math Online	2.CA.6	Students will explain the strategies they use to subtract 3-digit numbers.		
10-9 Solve Problems	Reveal Math Online	2.CA.4	Students will solve		

Involving Addition and Subtraction			one-step or two-step addition or subtraction word problems.		
Math Probe - Addition and Subtraction Problems (Added additional time for review for the Friday AFTER returning from Spring Break)	Reveal Math Online	2.CA.4	Students will solve a problem using a strategy of their choice	Formative Assessment: Unit 10 Fluency Practice End of Unit: Unit 10 Summative Assessment	

Unit 11: Data Analysis

Essential Questions: How do I interpret data using picture graphs, bar graphs, and line plots?

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide
11-1 Understand Picture Graphs	Reveal Math Online	2.DA.1	Students draw a picture graph to represent data.		
11-2 Understand Bar Graphs	Reveal Math Online	2.DA.1	Students draw a bar graph to represent data.		
11-3 Solve Problems Using Bar Graphs	Reveal Math Online	2.DA.1	Students use a bar graph to solve problems.		

11-4 Collect Measurement Data	Reveal Math Online	2.DA.1	Students collect measurement data by measuring the length of objects and organizing it in a tally chart.		
11-5 Understand Line Plots	Reveal Math Online	2.DA.1	Students will interpret measurement data on a line plot.		
Math Probe - Reading Line Plots	Reveal Math Online	2.DA.1	Students will indicate if a given statement correctly describes what is shown on the line plot.	Formative Assessment: Unit 11 Fluency Practice	
11-6 Show Data in a Line Plot	Reveal Math Online	2.DA.1	Students will make a line plot to show the measurement of lengths of objects.	End of Unit: Unit 11 Summative Assessment	

Unit 12: Geometric Shapes and Equal Shares

Essential Questions: How do I name, draw, and partition geometric shapes?

Lessons	Specific Resources	Indiana Standards	Objectives	Specific Assessments	Pacing Guide
12-1 Recognize	Reveal Math Online	2.G.1	Students will recognize		12-1

2-Dimensional Shapes by their Attributes			2-dimensional shapes based on their defining attributes.		Recognize 2-Dimensional Shapes by their Attributes
12-2 Draw 2-Dimensional Shapes by their Attributes	Reveal Math Online	2.G.1	Students will draw 2-dimensional shapes based on their defining attributes.		12-2 Draw 2-Dimensional Shapes by their Attributes
12-3 Recognize 3-Dimensional Shapes by their Attributes	Reveal Math Online	2.G.1	Students will recognize 3-dimensional shapes based on their defining attributes.	Unit 12 Shape Assessment	12-3 Recognize 3-Dimensional Shapes by their Attributes
12-4 Understand Equal Shares	Reveal Math Online	2.G.5	Students will identify equal shares.		12-4 Understand Equal Shares
Math Probe - Partitioning Shapes	Reveal Math Online	2.G.5	Students will indicate if a given shape is partitioned into four equal shares.	Formative Assessment: Unit 12 Fluency Practice	Math Probe - Partitioning Shapes
12-5 Relate Equal Shares	Reveal Math Online	2.G.4	Students will relate equal shares of the same shape.		12-5 Relate Equal Shares
12-6 Partition a Rectangle	Reveal Math Online	2.G.4	Students partition	End of Unit:	12-6 Partition

into Rows and Columns			rectangles into rows and columns of squares of equal size.	Unit 12 Summative Assessment-Equal Shares/Fractions	a Rectangle into Rows and Columns

Vocabulary

Math Vocabulary

Italicized words signify NWEA related word

Unit 2	Unit 3	Unit 4	Unit 5
Place Value Decompose Expanded form Standard Form Hundreds Tens Ones Digit *Sum*	Array Column Row Even Odd Repeated Addition Skip Count	Bar diagram Part-Part-Whole Unknown	Regroup Count on Friendly Numbers
Unit 6	**Unit 7**	**Unit 8 Telling Time**	**Unit 8 Money**
Count Back Related Facts *Difference*	Estimate Centimeter Meter Inch Foot/Feet Yard *Length* *Height* *Width*	Analog Clock Digital Clock A.m. P.m. Half Past Hour Hand Minute Hand Quarter Past Quarter To *hour*	Cent Penny Nickel Dime Quarter Dollar Sign

Unit 8 Capacity	Unit 11	Unit 12 Shapes	Unit 12 Fractions
Capacity *Cups* *Gallons* *Liter* *Ounces* *Pounds* *Quarts* *Pints*	Data Bar Graph Picture Graph Title Key Category Line Plot Tally mark	Attribute Pentagon Polygon Quadrilateral Rectangular Prism *Cone* *Octogran* *Trapezoids* *Rhombus* *Cube* *Sphere* *Cone* *Pyramid* *Cylinder* *Verticies*	Equal Shares Fourth Halves Partition Thirds *Fraction*