Grade 2 Unit 1: Numbers Within 20 Addition, Subtraction, and Data Skills and Standards		
	e one-step word problems involving situations of adding to, taking knowns in all positions. e.g., using drawings and equations with a	
symbol for the unknown number to represent the problem.	and whis in all positions. e.g., using drawings and equations with a	
	elop an understanding of solving two-step word problems involving	
	apart, and comparing, with unknowns in all positions. e.g., using	
drawings and equations with a symbol for the unknown num		
• NY-2.OA.2a Fluently add and subtract within 20 using ment	al strategies. Strategies could include: counting on; making ten;	
decomposing a number leading to a ten; using the relationship between addition and subtraction; and creating equivalent but		
easier or known sums.		
Note: Fluency involves a mixture of just knowing some answers, knowing some answers from patterns, and knowing some		
answers from the use of strategies.		
• NY-2.OA.2b Know from memory all sums within 20 of two o	•	
	gle-unit scale) to represent a data set with up to four categories.	
Number of Days/ Pacing Notes	ns using information presented in a picture graph or a bar graph. Strategies and Models	
36 days	Resources to review prior to instruction:	
<ul> <li>Included:</li> </ul>	Found in Teacher Toolbox – Beginning of Unit	
<ul> <li>5 days for Lesson 0 (required)</li> </ul>	Unit Flow and Progression	
<ul> <li>2 days for diagnostic</li> </ul>	Unit 1 Math Background	
<ul> <li>1 day for Mid Unit Assessment</li> </ul>	<b>3 1 1 1 1 1 1 1 1 1 1</b>	
<ul> <li>2 days for End of Unit Assessment</li> </ul>		
Assessments	Educator's Notes	
<ul> <li>Lesson Quizzes/ Digital Comprehension Check</li> </ul>	• Fluency involves a mixture of just knowing some answers,	
Mid Unit Assessment	knowing some answers from patterns, and knowing some	
End of Unit Assessment	answers from the use of strategies.	
Math in Action (optional)		

Grade 2		
	Addition, Subtraction, Time and Money	
	Is and Standards	
<ul> <li>NY-2.NBT.5 Fluently add and subtract within 100 the relationship between addition and subtraction.</li> <li>Notes: Students should be taught to use strategies between addition and subtraction; however, when</li> <li>Fluency involves a mixture of just knowing some a answers from the use of strategies.</li> <li>NY-2.NBT.9 Explain why addition and subtraction</li> <li>Note: Explanations may be supported by drawings</li> <li>NY-2.OA.1a Use addition and subtraction within 10 taking from, putting together, taking apart, and con equations with a symbol for the unknown number the symbol</li></ul>	using strategies based on place value, properties of operations, and/or a based on place value, properties of operations, and the relationship solving any problem, students can choose any strategy. Inswers, knowing some answers from patterns, and knowing some strategies work, using place value and the properties of operations. For objects. 00 to solve one-step word problems involving situations of adding to, nparing, with unknowns in all positions. e.g., using drawings and to represent the problem. 00 to develop an understanding of solving two-step word problems ing together, taking apart, and comparing, with unknowns in all positions. for the unknown number to represent the problem. gital clocks in five-minute increments, using a.m. and p.m. Develop an limited to, quarter past, half past, and quarter to. pose sum is less than or equal to one dollar. e.g., If you have 2 quarters, 2	
using the $\phi$ (cent) symbol appropriately.		
<ul> <li>Note: Students are not introduced to decimals, and</li> </ul>	d therefore the dollar symbol, until Grade 4	
Dates/Number of Days/ Pacing Notes	Strategies and Models	
<ul> <li>33 days</li> <li>Included         <ul> <li>1 day for Mid Unit Assessment</li> <li>2 days for End of Unit Assessment (eDoctrina)</li> </ul> </li> </ul>	<ul> <li>Resources to review prior to instruction:</li> <li>Found in Teacher Toolbox – Beginning of Unit</li> <li>Unit Flow and Progression</li> <li>Unit 2 Math Background</li> </ul>	
Assessments	Educator Notes	
<ul> <li>Lesson Quizzes/ Digital Comprehension Check</li> <li>Mid Unit Assessment</li> <li>End of Unit Assessment -eDoctrina 1400631</li> <li>Math in Action (optional)</li> </ul>	<ul> <li>Consider modifying the unit materials to include the following content provided in the Enhancement Activities: <ul> <li>Identifying coins by name</li> <li>Changing references to dollars to references to cents</li> <li>Using time vocabulary such as, but not limited to, quarter past, half past, and quarter to.</li> </ul> </li> </ul>	

## Grade 2 Unit 3: Numbers Within 1,000: Place Value, Addition, and Subtraction

## Skills and Standards

	Stanuarus		
• NY-2.NBT.1 Understand that the digits of a three-digit number represent amounts of hundreds, tens, and ones. e.g., 706 equals 7 hundreds, 0 tens, and 6 ones.			
<ul> <li>NY-2.NBT.1a Understand 100 can be thought of as a bundle of ten tens, called a "hundred."</li> </ul>			
<ul> <li>NY-2.NBT.1b Understand the numbers 100, 200, 300, 400, 500, 600, 700, 800, 900 refer to one, two, three, four, five, six, seven, eight, or nine hundreds (and 0 tens and 0 ones).</li> </ul>			
	'e		
• NY-2.NBT. 3 Read and write numbers to 1000 using base ten numerals, number names, and expanded form. e.g., expanded form: 237 = 200 + 30 + 7			
<ul> <li>NY-2.NBT.4 Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using &gt;, =, and &lt; symbols to record the results of comparisons.</li> </ul>			
NY-2.NBT.6 Add up to four two-digit numbers using strategies ba			
<ul> <li>NY-2.NBT.7a Add and subtract within 1000, using: concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction. Relate the strategy to a written representation.</li> </ul>			
<ul> <li>Notes: Students should be taught to use concrete models and drawings; as well as strategies based on place value, properties of operations, and the relationship between addition and subtraction. When solving any problem, students can choose to use a concrete model or a drawing. Their strategy must be based on place value, properties of operations, and/or the relationship between addition and subtraction.</li> </ul>			
	a second		
<ul> <li>NY-2.NBT.7b Understand that in adding or subtracting up to three-digit numbers, one adds or subtracts hundreds and hundreds, tens and tens, ones and ones, and sometimes it is necessary to compose or decompose tens or hundreds.</li> <li>NY-2.NBT.8 Mentally add 10 or 100 to a given number 100-900, and mentally subtract 10 or 100 from a given number 100-900.</li> <li>NY-2.NBT.9 Explain why addition and subtraction strategies work, using place value and the properties of operations.</li> <li>Note: Explanations may be supported by drawings or objects.</li> </ul>			
Dates/Number of Days/ Pacing Notes	Strategies and Models		
43 days	Resources to review prior to instruction:		
<ul> <li>43 days</li> <li>Included</li> </ul>	Found in Teacher Toolbox – Beginning of Unit		
	Unit Flow and Progression		
<ul> <li>2 days for Diagnostic</li> <li>1 day for Mid Unit Assessment</li> </ul>	<ul> <li>Unit 3 Math Background</li> </ul>		
<ul> <li>2 days for End of Unit Assessment</li> </ul>			
0 2 days for Life of Orin Assessment			
Assessments	Educator Notes		
<ul> <li>Lesson Quizzes/ Digital Comprehension Check</li> </ul>			
Mid Unit Assessment			
End of Unit Assessment			
Math in Action (optional)			

Grade 2 Unit 4 Length: Measurement, Addition, and Subtraction, and Line Plots		
Skills an	d Standards	
<ul> <li>NY-2.MD.1 Measure the length of an object to the nearest whole by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes</li> <li>NY-2.MD.2 Measure the length of an object twice, using different "length units" for the two measurements; describe how the two measurements relate to the size of the unit chosen.</li> <li>NY-2.MD.3 Estimate lengths using units of inches, feet, centimeters, and meters.</li> <li>NY-2.MD.4 Measure to determine how much longer one object is than another, expressing the length difference in terms of a standard "length unit."</li> <li>NY-2.MD.5 Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units. e.g., using drawings and equations with a symbol for the unknown number to represent the problem.</li> <li>NY-2.MD.6 Represent whole numbers as lengths from 0 on a number line with equally spaced points corresponding to the numbers 0, 1, 2,, and represent whole-number sums and differences within 100 on a number line.</li> <li>NY-2.MD.9 Generate measurement data by measuring lengths of several objects to the nearest whole unit, or by making repeated measurements of the same object. Present the measurement data in a line plot, where the horizontal scale is marked off in whole-number units</li> </ul>		
Dates/Number of Days/ Pacing Notes	Strategies and Models	
<ul> <li>34 days</li> <li>Included         <ul> <li>1 day for Mid Unit Assessment</li> <li>2 days for End of Unit Assessment (eDoctrina)</li> </ul> </li> </ul>	<ul> <li>Resources to review prior to instruction:</li> <li>Found in Teacher Toolbox – Beginning of Unit</li> <li>Unit Flow and Progression</li> <li>Unit 4 Math Background</li> </ul>	
Assessments	Educator Notes	
<ul> <li>Lesson Quizzes/ Digital Comprehension Check</li> <li>Mid Unit Assessment</li> <li>End of Unit Assessment – eDoctrina 1452041</li> <li>Math in Action (optional)</li> </ul>		

Grade 2		
Unit 5: Shapes and Arrays: Partitioning and Tiling Shapes, Arrays, Evens and Odds		
Skills and	d Standards	
• NY-2.G.1 Classify two-dimensional figures as polygons o	r non-polygons.	
• NY-2.G.2 Partition a rectangle into rows and columns of same-size squares and count to find the total number of them.		
	or four equal shares. Describe the shares using the words halves, alves, three thirds, four fourths. Recognize that equal shares of	
•	20) has an odd or even number of members. e.g., by pairing	
objects or counting them by 2's.	,	
• NY-2.OA.3b Write an equation to express an even numb	er as a sum of two equal addends.	
	ts arranged in rectangular arrays with up to 5 rows and up to 5	
columns. Write an equation to express the total as a sum		
Dates/Number of Days/ Pacing Notes	Strategies and Models	
• 19 days	Resources to review prior to instruction:	
Included	Found in Teacher Toolbox – Beginning of Unit	
<ul> <li>1 day for End of Unit Assessment</li> </ul>	Unit Flow and Progression	
<ul> <li>2 days for Diagnostic</li> </ul>	Unit 5 Math Background	
o Lesson 28		
Assessments	Educator Notes	
<ul> <li>Lesson Quizzes/ Digital Comprehension Check</li> </ul>	Consider modifying the unit materials to include the following	
End of Unit Assessment	content provided in the Enhancement Activities:	
<ul> <li>Math in Action (optional)</li> </ul>	<ul> <li>Classifying two-dimensional figures as polygons or non- polygons</li> </ul>	
	Not requiring students to identify or draw shapes based or their attributes.	
	<ul> <li>One-Day Activity – Recognize Polygons and Non-Polygons</li> <li>Start Unit 5 with this activity</li> </ul>	