JC Schools 2nd Grade Yearly Math Standards

Overarching Standards (taught in all units)
2.RA.A.1 Demonstrate fluency with addition and subtraction within 20 *(Fluency refers to accuracy and efficiency and does not equate to memorization.)*
2.NBT.B.6 Demonstrate fluency with addition and subtraction within 100 *(Fluency refers to accuracy and efficiency and does not equate to memorization.)*

Units	Priority Standards	Supporting Standards

Unit 1
 	
Number Concepts
 	
13 days
	2.NBT.A.4
	Read and write numbers to 1,000 using number names, base-ten numerals and expanded form
		2.NBT.A.3
		Count within 1000 by 1s, 10s, and 100s starting with any number
		
		2.NBT.B.10
		Add or subtract mentally 10 or 100 to or from a given number within 1000
		
		2.RA.B.2a-c
		Determine if a set of objects has an odd or even number of members
		  a. Count by 2s to 100 starting with an even number
		  b. Express even numbers as pairings/groups of 2, and write an expression to represent the number using addends of 2
		  c. Express even numbers as being composed of equal groups and write an expression to represent the number with 2 equal addends

Unit 2 Numbers to 1000 15 days	**2.NBT.A.4** Read and write numbers to 1,000 using number names, base-ten numerals and expanded form **2.NBT.A.5** ==Compare two three-digit numbers using the symbols >, =, <==	==**2.NBT.A.1**== ==Understand three-digit numbers are composed of hundreds, tens, and ones== **2.NBT.A.2** Understand that 100 can be thought of as 10 tens - called a "hundred" **2.NBT.B.10** Add or subtract mentally 10 or 100 to or from any given number within 1000
Unit 3 Basic Facts & Relationships 19 days	==**2.NBT.B.8**== ==Add or subtract within 1000, and justify the solution== ==**2.NBT.B.9**== ==Use the relationship between addition and subtraction to solve problems== ==**2.RA.B.3**== ==Find the total number of objects in a rectangular array with up to 5 rows and 5 columns, and write an equation to represent the total as a sum of equal addends==	**2.NBT.C.11** Write and solve problems involving addition and subtraction within 100
Unit 4 Two-Digit Addition 22 days	==**2.NBT.B.8**== ==Add or subtract within 1000, and justify the solution== ==**2.NBT.B.9**== ==Use the relationship between addition and subtraction to solve problems==	**2.NBT.B.7** Add up to four two-digit numbers **2.NBT.C.11** Write and solve problems involving addition and subtraction within 100
Unit 5 Two-Digit Subtraction 17 days	==**2.NBT.B.8**== ==Add or subtract within 1000, and justify the solution== ==**2.NBT.B.9**== ==Use the relationship between addition and subtraction to solve problems==	**2.NBT.C.11** Write and solve problems involving addition and subtraction within 100

Unit 6 Three-Digit Addition & Subtraction 18 days	**2.NBT.B.8** ==Add or subtract within 1000, and justify the solution== **2.NBT.B.9** ==Use the relationship between addition and subtraction to solve problems==	**2.NBT.C.11** Write and solve problems involving addition and subtraction within 100

Unit 7
 	
Geometry & Fraction Concepts
 	
18 days
	2.GM.A.1a,b
	Recognize and draw shapes having specified attributes, such as a given number of angles or sides
	    a. Identify triangles, quadrilaterals, pentagons, hexagons, circles, and cubes
	    b. Identify the faces of three-dimensional objects
	
	2.GM.A.2
	Partition a rectangle into rows and columns of same-size squares and count to find the total number of squares
	
	==2.GM.A.3.a==
	Partition circles and rectangles into two, three, or four equal shares, and describe the shares and the whole
	    a. ==Demonstrate that equal shares of identical wholes need not have the same shape==	

Unit 8 Money & Time 19 days	**2.GM.D.10** Tell and write time from analog and digital clocks to the nearest five minutes using am and pm **2.GM.D.11** Describe a time shown on a digital clock as representing hours and minutes and relate a time shown on a digital clock to the same time on an analog clock **==2.GM.D.12==** ==Find the value of combinations of dollar bills, quarters, dimes, nickels and pennies, using $ and cents sign appropriately==	

	2.GM.D.13 Find combinations of coins that equal a given amount	
Unit 9 Length in Customary Units 11 days	**2.GM.B.4** Measure the length of an object by selecting and using appropriate tools **2.GM.B.5** <mark>Analyze the results of measuring the same objects with different units</mark>	**2.GM.B.6** Estimate lengths using units of inches, feet, yards, centimeters, and meters **2.GM.B.7** Measure to determine how much longer one object is than another **2.GM.C.9** <mark>Represent whole numbers as lengths on a number line, and represent whole-number sums and differences within 100 on a number line</mark>
Unit 10 Length in Metric Units 9 days	**2.GM.B.4** Measure the length of an object by selecting and using appropriate tools **2.GM.B.5** Analyze the results of measuring the same objects with different units **2.GM.C.8** Use addition and subtraction within 100 to solve problems involving lengths given in the same units	**2.GM.B.6** Estimate lengths using units of inches, feet, yards, centimeters, and meters **2.GM.B.7** Measure to determine how much longer one object is than another **2.GM.C.9** <mark>Represent whole numbers as lengths on a number line, and represent whole-number sums and differences within 100 on a number line</mark>
Unit 11 Data 10 days	**2.DS.A.3** Draw a picture graph or a bar graph to represent a data set with up to four categories **2.DS.A.4** <mark>Solve problems using information presented in line plots, picture graphs and bar graphs</mark> **2.DS.A.5** <mark>Draw conclusions from line plots, picture graphs and bar graphs</mark>.	**2.NBT.C.11** Write and solve problems involving addition and subtraction within 100 **2.DS.A.1** Create a line plot to represent a set of numeric data, given a horizontal scale marked in whole numbers **2.DS.A.2** Generate measurement data to the nearest whole unit, and display the data in a line plot