Grade Level	/Course Tit	le: Grade 2	Trimester 1	Academic Year: 2017-2018				
Grade Level Mathematics Focus: In Grade 2, instructional time should focus on four critical areas: (1) extending understanding of base-ten notation; (2) building fluency with addition and subtraction; (3) using standard units of measure; and (4) describing and analyzing shapes.								
 Essential Questions: 1. How can students extend their understanding of the base-ten system, including ideas of counting in fives, tens, and multiples of hundreds, tens, and ones, as well as number relationships involving these units, including comparing? 2. How can students understand multi-digit numbers (up to 1000) written in base-ten notation, recognizing that the digits in each place represent amounts of thousands, hundreds, tens, or ones (e.g., 853 is 8 hundreds + 5 tens + 3 ones)? Suggestions: Release groups for recess, P.E., or lunch according to the days date to help with odd/even number understanding. All word problems should utilize the 3 Read strategies and have a visual representation of the problem. Use the addition and subtraction strategies when teaching. Choral facts of what makes 5, 10 and 20 and counting by 2's, 5's, and 10's. Integrate math language all day to show its importance. Use Base 10 blocks regularly. 								
Time Frame	Standard	Standard Description	Content	Resources				
(AugSept.) Chapter 1: Apply Addition and	2.OA.1	Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.	 Using open number lines and bar models with single digit numbers Decomposition by place value Decomposition of whole numbers by addition 	Chapter 1 – Apply Addition and Subtraction Concepts (13 Lessons) 1-1: Addition Properties 1-2: Count On to Add 1-3: Doubles and Near Doubles 1-4: Make a 10 1-5: Add Three Numbers 1-6: Problem-Solving Strategy: Write a Number Sentence				
Subtraction Concepts	2.OA.2	Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.	 Using decomposition to add and subtract whole numbers Using open number 	 1-7: Count Back to Subtract 1-8: Subtract All and Subtract Zero 1-9: Use Doubles to Subtract 1-10: Relate Addition and Subtraction 				
(Approx.	2.OA.3	Determine whether a group of objects (up to 20) has an odd or even number of members, e.g., by pairing objects or counting them by 2s; write an equation to express an even number as a sum of two equal addends.	 multi-digit addition and subtraction Using bar models to add and subtract multi- digit numbers 	1-11: Missing Addends 1-12: Fact Families 1-13: Two-Step Word Problems <u>3 Read Word Problem Strategy</u> <u>Adding and Subtracting Within 100</u> [L] <u>Represent Unknowns Using Multiple Methods</u> [L]				
19 days)	2.OA.4	Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.	 Inverse relationship between addition and subtraction Commutative and associative properties of addition 	Adding By Finding Tens [L] Even and Odd: A Conceptual Understanding [L] Adding/Subtraction Daily Practices Building toward fluency [IMT] Hitting The Target Number [IMT] Addition/Subtraction Strategies K-7 Addition/Subtraction Game PIG (GMR)				

Grade Level	/Course Tit	le: Grade 2	Trimester 1	Academic Year: 2017-2018	
	ructional time			base-ten notation; (2) building fluency with addition and	
Addition and Su Math games an	Put a number i Ibtraction Strat d songs online	n your warm up asking for all the way regies K-7(see pg. 1 hyperlink). Have and the games under Resources. Ha	them build an equation, draw ave students turn to a partner	, 1T 14 ones, 24 ones. Use the mental math strategies from the equation and then write a problem for the equation. Use My and explain a problem, define a math term, decide what wed external sources with sticky notes in your T.E.	
Time Frame	Standard	Standard Description	Content	Resources	
(SeptOct.) Chapter 2: Number	2.OA.1	Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem.	 Using open number lines and bar models with single digit numbers Decomposition by place value Decomposition of whole numbers by addition 	Chapter 2 – Number Patterns (7 Lessons) 2-1: Skip Count on a Hundred Chart 2-2: Skip Count by 2s, 5s, and 10s 2-3: Problem-Solving Strategy: Find a Pattern 2-4: Repeated Addition 2-5: Repeated Addition with Arrays 2-6: Even and Odd 2-7: Sums of Equal Numbers	
Patterns	2.OA.2	Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.	 Using decomposition to add and subtract whole numbers Using open number 	Adding and Subtracting — Inverse Operations [L] Fact Families [L]	
(Approx. 12 days)	2.OA.3	Determine whether a group of objects (up to 20) has an odd or even number of members, e.g., by pairing objects or counting them by 2s; write an equation to express an even number as a sum of two equal addends.	 lines to represent multi-digit addition and subtraction Using bar models to add and subtract multi-digit numbers Inverse relationship between addition and subtraction Commutative and associative properties of addition 	 lines to represent multi-digit addition and subtraction Using bar models to add and subtract 	Buttons odd and even [IMT] Counting Dots in Arrays [IMT] Red and Blue Tiles [IMT]
	2.OA.4	Use addition to find the total number of objects arranged in rectangular arrays with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.		<u>Five Steps to Zero (</u> GMR) <u>Addition/Subtraction Strategies</u> <u>K-7</u> <u>Addition/Subtraction Game</u> <u>PIG</u> (GMR)	

Grade Level	Course Tit	le: Grade 2	Trimester 1	Academic Year: 2017-2018							
Grade Level M In Grade 2, inst subtraction; (3)	ructional time		extending understanding of and analyzing shapes.	base-ten notation; (2) building fluency with addition and							
Essential Ques Suggestions:	stions: See pa	age 1									
Time Frame	Standard	Standard Description	Content	Resources							
(SeptOct.) Chapter 3:	2.OA.1	Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a	 Using open number lines and bar models with single digit numbers Decomposition by place value 	Chapter 3 – Add Two-Digit Numbers (7 Lessons) 3-1: Take Apart Tens to Add 3-2: Regroup Ones as Tens 3-3: Add to a Two-Digit Number 3-4: Add Two-Digit Numbers							
Add Two- Digit Numbers	2.OA.2	Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.	 Decomposition of whole numbers by addition Using decomposition to add and subtract whole numbers Using open number 	 3-5: Rewrite Two-Digit Addition 3-6: Add Three and Four Two-Digit Numbers 3-7: Problem-Solving Strategy: Make a Model <u>A Pencil and a Sticker</u> [IMT] Suggested things to do in the weeks before the test 							
(Approx. 12 days)	2.OA.3	Determine whether a group of objects (up to 20) has an odd or even number of members, e.g., by pairing objects or counting them by 2s; write an equation to express an even number as a sum of two equal addends.	lines to represent multi-digit addition and subtraction Using bar models to add and subtract multi-digit numbers	 lines to represent multi-digit addition and subtraction Using bar models to add and subtract multi-digit numbers 	 lines to represent multi-digit addition and subtraction Using bar models to add and subtract multi-digit numbers 	 lines to represent multi-digit addition and subtraction Using bar models to add and subtract multi-digit numbers 	 lines to represent multi-digit addition and subtraction Using bar models to add and subtract multi-digit numbers 	 lines to represent multi-digit addition and subtraction Using bar models to add and subtract multi-digit numbers 	 lines to represent multi-digit addition and subtraction Using bar models to add and subtract multi-digit numbers 	lines to represent multi-digit addition and subtraction • Using bar models to add and subtract multi-digit numbers	Extended Response Tests in Assessment Masters Book or use problems from Chapter tests SBAC Assessment Book (provides insight on students constructing their responses and practice in justifying their answers.). Use questions from the tests as warm ups, chapter practice, exit tickets after a new lesson, or as problems in a quiz you make
12 uaysj		My Math! Common Assessment 1									

Grade 2 Mathematics Curriculum Guide									
Grade Level	Course Tit	le: Grade 2		Trimester 1	Academic Year: 2017-2018				
In Grade 2, inst	Grade Level Mathematics Focus: In Grade 2, instructional time should focus on four critical areas: (1) extending understanding of base-ten notation; (2) building fluency with addition and subtraction; (3) using standard units of measure; and (4) describing and analyzing shapes.								
 Essential Questions: 1. How can students extend their understanding of the base-ten system, including ideas of counting in fives, tens, and multiples of hundreds, tens, and ones, as well as number relationships involving these units, including comparing? 2. How can students understand multi-digit numbers (up to 1000) written in base-ten notation, recognizing that the digits in each place represent amounts of thousands, hundreds, tens, or ones (e.g., 853 is 8 hundreds + 5 tens + 3 ones)? 									
Time Frame	Standard	Standard Description		Content	Resources				
(OctNov.) Chapter 4: Subtract Two-Digit Numbers	2.OA.1 2.OA.2	Use addition and subtraction within 100 to solve one- and two-step word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using drawings and equations with a symbol for the unknown number to represent the problem. Fluently add and subtract within 20 using mental strategies. By end of Grade 2, know from memory all sums of two one-digit numbers.	•	Using open number lines and bar models with single digit numbers Decomposition by place value Decomposition of whole numbers by addition Using decomposition to add and subtract whole numbers	Chapter 4 – Subtract Two-Digit Numbers (9 Lessons) 4-1: Two-Digit Fact Families 4-2: Take Apart Tens to Subtract 4-3: Regroup a Ten as Ones 4-4: Subtract From a Two-Digit Number 4-5: Subtract Two-Digit Numbers 4-6: Rewrite Two-Digit Subtraction 4-7: Check Subtraction 4-8: Problem-Solving Strategy: Write a Number Sentence 4-9: Two-Step Word Problems				
(Approx. 14 days)	2.OA.3 2.OA.4	Determine whether a group of objects (up to 20) has an odd or even number of members, e.g., by pairing objects or counting them by 2s; 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 with up to 5 rows and up to 5 columns; write an equation to express the total as a sum of equal addends.	•	Using decomposition to add and subtract whole numbers Using open number lines to represent multi-digit addition and subtraction Using bar models to add and subtract multi-digit numbers Inverse relationship between addition and	Five Steps to Zero (GMR) Suggested things to do in the weeks before the test Extended Response Tests in Assessment Masters Book or use problems from Chapter tests SBAC Assessment Book (provides insight on students constructing their responses and practice in justifying their answers.). Use questions from the tests as warm ups, chapter practice, exit tickets after a new lesson, or as problems in a quiz you make				

				Guide		
Grade Level	/Course Tit	le: Grade 2	Trimester 2Academic Year: 2017-2018			
	ructional time			en notation; (2) building fluency with addition and		
 How can structure use efficien place value How can structure 	udents use the udents learn to t, accurate, ar and the prope udents select	d generalizable methods to compute sums erties of operations?	heir understanding of models for and differences of whole num	tion within 100? or addition and subtraction, and develop, discuss, and bers in base-ten notation, using their understanding of a numbers involved to mentally calculate sums and		
Time Frame	Standard	Standard Description	Content	Resources		

Place Value to 1,000		 tens — called a "hundred." b. 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). 	•	between addition and subtraction with multi- digit numbers Commutative and	5-5: Read and Write Numbers to 1,000 5-6: Count by 5s, 10s, and 100s 5-7: Compare Numbers to 1,000 Largest Number Game [IMT] Looking at Numbers Every Which Way [IMT] Digits 2-5-7 [IMT]
	2.NBT.2	Count within 1000; skip-count by 2s , 5s, 10s, and 100s. CA		associative properties of addition	
(Approx. 12 days)	2.NBT.3	Read and write numbers to 1000 using base-ten numerals, number names, and expanded form.			Number Line Comparisons [IMT]
	2.NBT.4	Compare two three-digit numbers based on meanings of the hundreds, tens, and ones digits, using >, =, and < symbols to record the results of comparisons.			

Grade Level	Course II	tle: Grade 2	Trimester 2	Academic Year: 2017-2018
	ructional time			e-ten notation; (2) building fluency with addition and
		es Pig and Five Steps To Zero for practice. On	line instructions prov	vided under the Instructional tab, Math Dept.,
Time Frame	Standard	Standard Description	Content	Resources
(NovDec.)	2.NBT.5	Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.	 Decomposition by place value and within place values 	Chapter 6 – Add Three-Digit Numbers (8 Lessons) 6-1: Make a Hundred to Add 6-2: Add Hundreds
Chapter 6:	2.NBT.6	Add up to four two-digit numbers using strategies based on place value and properties of operations.	 Open number lines Bar models Inverse relationship between addition and subtraction with multi-digit numbers Commutative and associative properties of addition 	6-3: Mentally Add 10 or 1006-4: Regroup Ones to Add6-5: Regroup Tens to Add
Add Three- Digit Numbers (Approx. 13 days)	2.NBT.7	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 method. Understand that in adding or subtracting 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. 7.1 Use estimation strategies to make reasonable estimates in problem solving. CA		 6-6: Add Three-Digit Numbers 6-7: Rewrite Three-Digit Numbers 6-7: Rewrite Three-Digit Numbers 6-8: Problem-Solving Strategy: Guess, Check, and Revise <u>Adding Whole Numbers — Multiple Algorithms</u> [L] <u>Adding and Subtracting Whole Numbers — Multiple</u> <u>Representations</u> [CP] <u>Subtracting Whole Numbers — Multiple Methods</u> [L] <u>Subtracting Multiple Ways, With or Without Regrouping</u> [L] <u>Comparing Numbers</u> [L]
	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.		Subtraction — Comparison Model [L] <u>Multi-Step Word Problems</u> [L] <u>Adding By Finding Tens</u> [L] Sums to 10, 100, and 1,000 [L]
	2.NBT.9	Explain why addition and subtraction strategies work, using place value and the properties of operations.		Toll Bridge Puzzle [IMT] Peyton and Presley Discuss Addition [IMT]
				My Math! Common Assessment 2

Grade Level	/Course Ti	tle: Grade 2	Trimester 2	Academic Year: 2017-2018			
Grade Level Mathematics Focus: In Grade 2, instructional time should focus on four critical areas: (1) extending understanding of base-ten notation; (2) building fluency with addition and subtraction; (3) using standard units of measure; and (4) describing and analyzing shapes.							
 How can st use efficien place value How can st 	udents use th udents learn t t, accurate, an and the prop udents select	nd generalizable methods to compute sums and d erties of operations?	derstanding of models ifferences of whole nu	action within 100? s for addition and subtraction, and develop, discuss, and umbers in base-ten notation, using their understanding of the numbers involved to mentally calculate sums and			
Time Frame	Standard	Standard Description	Content	Resources			
(NovDec.) Chapter 7: Subtract Three-Digit Numbers	2.NBT.5 2.NBT.6 2.NBT.7	Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/ or the relationship between addition and subtraction. Add up to four two-digit numbers using strategies based on place value and properties of operations. 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 method. Understand that in adding or subtracting three-digit numbers, one adds	 Decomposition by place value and within place values Open number lines Bar models Inverse relationship between addition and subtraction with multi-digit numbers Commutative and 	Chapter 7 – Subtract Three-Digit Numbers (9 Lessons) 7-1: Take Apart Hundreds to Subtract 7-2: Subtract Hundreds 7-3: Mentally Subtract 10 or 100 7-4: Regroup Tens 7-5: Regroup Hundreds 7-6: Subtract Three-Digit Numbers 7-7: Rewrite Three-Digit Subtraction 7-8: Problem-Solving Strategy: Write a Number Sentence 7-9: Subtract Across Zeros			
(Approx.		or subtracts hundreds and hundreds, tens and tens, ones and ones; and sometimes it is necessary to compose or decompose tens or hundreds. 7.1 Use estimation strategies to make reasonable estimates in problem solving. CA		Adding Whole Numbers — Multiple Algorithms [L] Adding and Subtracting Whole Numbers — Multiple Representations [CP] Subtracting Whole Numbers — Multiple Methods [L] Subtracting Multiple Ways, With or Without Regrouping [L]			
14 days)	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.	associative properties of addition	<u>Comparing Numbers</u> [L] <u>Subtraction — Comparison Model</u> [L] <u>Multi-Step Word Problems</u> [L] <u>Suggested things to do in the weeks before the test</u>			
	2.NBT.9	Explain why addition and subtraction strategies work, using place value and the properties of operations.		Extended Response Tests in Assessment Masters Book or use problems from Chapter tests SBAC Assessment Book (provides insight on students constructing their responses and practice in justifying their answers.). Use questions from the tests as warm ups, chapter practice, exit tickets after a new lesson, or as problems in a quiz you make			

Grade Level	/Course Tit	le: Grade 2	Trimester 2	Academic Year: 2017-2018		
Grade Level Mathematics Focus: In Grade 2, instructional time should focus on four critical areas: (1) extending understanding of base-ten notation; (2) building fluency with addition and subtraction; (3) using standard units of measure; and (4) describing and analyzing shapes.						
 Essential Questions: 1. How can students learn to solve problems within 1000 by applying their understanding of models for addition and subtraction, and develop, discuss, and use efficient, accurate, and generalizable methods to compute sums and differences of whole numbers in base-ten notation, using their understanding of place value and the properties of operations? 2. How can students recognize the need for standard units of measure (centimeter and inch) and use rulers and other measurement tools with the understanding that linear measure involves an iteration of units? 3. How can students recognize that the smaller the unit, the more iterations they need to cover a given length? 						
Time Frame	Standard	Standard Description	Content	Resources		
(Jan.)	2.MD.7	Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m. Know relationships of time (e.g., minutes in an hour, days in a month, weeks in a year). CA	 Decomposition by place value and within place value as 	<u>Chapter 8 – Money (5 Lessons</u>) 8-1: Pennies, Nickels, and Dimes 8-2: Quarters		
Chapter 8: Money	2.MD.8	Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. <i>Example: If you</i> <i>have 2 dimes and 3 pennies, how many cents</i> <i>do you have?</i>	 a strategy to add or subtract Representing addition and subtraction in 	8-3: Count Coins 8-4: Problem-Solving Strategy: Act It Out 8-5: Dollars Line Plots Using Measurement [L]		
(Approx. 9 days)	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. Show the measurements by making a line plot, where the horizontal scale is marked off in whole-number units.	 multiple ways, e.g., bar models and open number lines Concept of iterating a unit for measurement Solving word problems based on data in a graph 	e.g., bar models and open number lines • Concept of	Graphing in the Primary Grades [L] Pet Shop [IMT] Three Reads for Word Problems (GMR)	
	2.MD.10	Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph.				

Grade Level	Course Tit	le: Grade 2		Trimester 3	Academic Year: 2017-2018		
Grade Level Mathematics Focus: In Grade 2, instructional time should focus on four critical areas: (1) extending understanding of base-ten notation; (2) building fluency with addition and subtraction; (3) using standard units of measure; and (4) describing and analyzing shapes.							
 Essential Questions: 1. How can students learn to solve problems within 1000 by applying their understanding of models for addition and subtraction, and develop, discuss, and use efficient, accurate, and generalizable methods to compute sums and differences of whole numbers in base-ten notation, using their understanding of place value and the properties of operations? 2. How can students recognize the need for standard units of measure (centimeter and inch) and use rulers and other measurement tools with the understanding that linear measure involves an iteration of units? 3. How can students recognize that the smaller the unit, the more iterations they need to cover a given length? 							
Time Frame	Standard	Standard Description		Content	Resources		
(Feb.)	2.MD.7	Tell and write time from analog and digital clocks to the nearest five minutes, using a.m. and p.m. Know relationships of time (e.g., minutes in an hour, days in a month, weeks in a year). CA	•	Decomposition by place value and within place value as a strategy to	<u>Chapter 9 – Data Analysis (8 Lessons)</u> 9-1: Take a Survey 9-2: Make Picture Graphs 9-3: Analyze Picture Graphs		
Chapter 9: Data	2.MD.8	Solve word problems involving dollar bills, quarters, dimes, nickels, and pennies, using \$ and ¢ symbols appropriately. <i>Example: If you</i> <i>have 2 dimes and 3 pennies, how many cents</i> <i>do you have?</i>	•	a strategy to add or subtract Representing addition and subtraction in	 9-4: Make Bar Graphs 9-5: Analyze Bar Graphs 9-6: Problem-Solving Strategy: Make a Table 9-7: Make Line Plots 9-8: Analyze Line Plots 		
Analysis (Approx.	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. Show the measurements by making a line plot, where the horizontal scale is marked off in whole-number units.	 e.g., bar models and open number lines Concept of iterating a unit 	Line Plots Using Measurement [L] Graphing in the Primary Grades [L] Mv Math! Common			
13 days)	2.MD.10	Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph.	•	for measurement Solving word problems based on data in a graph	Assessment 3		

Grade 2 Mathematics Curriculum Guide

Grade Level/Course Title: Grade 2 Trimester 3 Academic Year: 2017-2018 Grade Level Mathematics Focus: In Grade 2, instructional time should focus on four critical areas: (1) extending understanding of base-ten notation; (2) building fluency with addition and subtraction; (3) using standard units of measure; and (4) describing and analyzing shapes. **Essential Questions:** 1. How can students learn to solve problems within 1000 by applying their understanding of models for addition and subtraction, and develop, discuss, and use efficient, accurate, and generalizable methods to compute sums and differences of whole numbers in base-ten notation, using their understanding of place value and the properties of operations? 2. How can students recognize the need for standard units of measure (centimeter and inch) and use rulers and other measurement tools with the understanding that linear measure involves an iteration of units? 3. How can students recognize that the smaller the unit, the more iterations they need to cover a given length? **Time Frame** Standard **Standard Description** Content Resources Tell and write time from analog and digital clocks Chapter 10 - Time (6 Lessons) (Feb.-March) 2.MD.7 Decomposition to the nearest five minutes, using a.m. and p.m. by place value Know relationships of time (e.g., minutes in an and within 10-1: Time to the Hour hour, days in a month, weeks in a year). CA place value as 10-2: Time to the Half Hour 10-3: Problem-Solving Strategy: Find a Pattern a strategy to Chapter 10: 2.MD.8 Solve word problems involving dollar bills, add or subtract 10-4: Time to the Quarter Hour quarters, dimes, nickels, and pennies, using \$ • Representing 10-5: Time to Five Minute Intervals and ¢ symbols appropriately. Example: If you addition and 10-6: A.M. and P.M. have 2 dimes and 3 pennies, how many cents subtraction in Time do vou have? multiple ways, 2.MD.9 Generate measurement data by measuring e.g., bar Line Plots Using Measurement [L] lengths of several objects to the nearest whole Graphing in the Primary Grades [L] models and unit, or by making repeated measurements of open number (Approx. the same object. Show the measurements by lines Suggested things to do in the weeks before the test making a line plot, where the horizontal scale is Concept of Extended Response Tests in Assessment Masters Book or marked off in whole-number units. 11 days) iterating a unit use problems from Chapter tests SBAC Assessment Book for (provides insight on students constructing their responses 2.MD.10 Draw a picture graph and a bar graph (with measurement and practice in justifying their answers.). Use questions from single-unit scale) to represent a data set with up Solving word to four categories. Solve simple put-together, the tests as warm ups, chapter practice, exit tickets after a problems take-apart, and compare problems using new lesson, or as problems in a guiz you make information presented in a bar graph. based on data in a graph

Grade Level	/Course Tit	le: Grade 2		Trimester 3	Academic Year: 2017-2018
	ructional time				e-ten notation; (2) building fluency with addition and
understandi	udents recogn ing that linear	ize the need for standard units of measure (centir measure involves an iteration of units? ize that the smaller the unit, the more iterations th			
Time Frame	Standard	Standard Description		Content	Resources
(April-May)	2.MD.1	Measure the length of an object by selecting and using appropriate tools such as rulers, yardsticks, meter sticks, and measuring tapes.	•	Concept of iteration for measurement	Chapter 11 – Customary and Metric Lengths (9 Lessons)
Chapter 11:	2.MD.2	Measure the length of an object twice, using length units of different lengths for the two measurements; describe how the two measurements relate to the size of the unit chosen.	•	Understanding the need for standard units Length Relate addition and subtraction to length	 11-2: Feet and Yards 11-3: Select and Use Customary Tools 11-4: Compare Customary Lengths 11-5: Relate Inches, Feet, and Yards 11-6: Problem-Solving Strategy: Use Logical Reasoning
Customary and Metric	2.MD.3	Estimate lengths using units of inches, feet, centimeters, and meters.			11-7: Centimeters and Meters11-8: Select and Use Metric Tools11-9: Compare Metric Lengths
Lengths	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.	le		11-10 Relate Centimeters and Meters 11-11: Measure on a Number Line 11-12: Measurement Data
(Approx. 18 days)	2.MD.5	Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings (such as drawings of rulers) and equations with a symbol for the unknown number to represent the problem.			
	2.MD.6	Represent whole numbers as lengths from 0 on a number line diagram with equally spaced points corresponding to the numbers 0, 1, 2,, and represent whole-number sums and differences within 100 on a number line diagram.			Frog and Toad on the number line [IMT] Hand Span Measures [IMT]

Grade Level	/Course Tit	le: Grade 2	Trimester 3	Academic Year: 2017-2018					
In Grade 2, inst	Grade Level Mathematics Focus: In Grade 2, instructional time should focus on four critical areas: (1) extending understanding of base-ten notation; (2) building fluency with addition and subtraction; (3) using standard units of measure; and (4) describing and analyzing shapes.								
 Essential Questions: 1. How can students describe and analyze shapes by examining their sides and angles? 2. How can students investigate, describe, and reason about decomposing and combining shapes to make other shapes? 3. How can students, through building, drawing, and analyzing two- and three-dimensional shapes, develop a foundation for understanding area, volume, congruence, similarity, and symmetry in later grades? 									
Time Frame	Standard	Standard Description	Content	Resources					
(May-June) Chapter 12: Geometric	2.G.1 2.G.2	Recognize and draw shapes having specified attributes, such as a given number of angles or a given number of equal faces. Identify triangles, quadrilaterals, pentagons, hexagons, and cubes. Partition a rectangle into rows and columns of same-size squares and count to find the total number of them.	 Attributes of geometric shapes Decomposing and re-composing shapes Foundations of area, volume, congruence, similarity, and symmetry 	Chapter 12 – Geometric Shapes and Equal Shares (8 Lessons) 12-1: Two-Dimensional Shapes 12-2: Sides and Angles 12-3: Problem-Solving: Draw a Diagram 12-4: Three-Dimensional Shapes 12-5: Faces, Edges, and Vertices 12-6: Relate Shapes and Solids 12-7: Halves, Thirds, and Fourths 12-8: Area					
Shapes and Equal Shares (Approx. 13 days)	2.G.3	Partition circles and rectangles into two, three, or four equal shares, describe the shares using the words <i>halves</i> , <i>thirds</i> , <i>half of</i> , <i>a third of</i> , etc., and describe the whole as two halves, three thirds, four fourths. Recognize that equal shares of identical wholes need not have the same shape.	similarity, and symmetry • Equal share (fractional) representations of two dimensional shapes • Understanding equal shares (equivalent fractions) need not be represented by	Decomposing/Recomposing Geometric Shapes [L] Partitioning Shapes [L] Representing Half of a Rectangle [IMT] My Math! Common Assessment 4					