Curriculum Map

Course Title: Math Grade: 4th

Unit (Name/Number): Measurement, Data and Probability Pacing: Refer to RCC pacing guide

Essential Question(s): How do you solve problems involving measurement and conversion of measurements from a larger unit to a smaller unit? How do you

represent and interpret data?

Content/Key Concepts (Eligible Content)	Standards	Key Vocabulary	Learning Activities/Resources	Evidence of Learning (Assessments; Performance Tasks)
_ ·	Common Core 4.MD.1, 4.MD.2,4.MD.3, 4.MD.4 PA Core Standards CC.2.4.4.A.1 CC.2.4.4.A.4	Imperative to use exact vocabulary: • convert • metric system • customary system • liquid volume • mass • formula • perimeter • area	*use calculators at teacher's discretion Lesson 23: Convert Measurements (S/A) Lesson 24: Time and Money (S/A) Lesson 25: Length, Liquid, Volume, and Mass (S/A) Lesson 26: Perimeter and Area (S/A) Sample Assessment Questions SAS Materials/Resources	
fractions or decimals; and problems that require expressing measurements given in a larger unit in terms of a smaller unit. M04.D-M.1.1.3 Apply the area and perimeter formulas for rectangles in				Perimeter and Area 1,2,4,5,6,7 Line Plots 2,4,5,6,7

eal-world and mathematical				Understand Angles
problems (may include finding a				6,7
nissing side length). Whole				
numbers only. The formulas will be				Measure and Draw Angles
provided.				2,3,5,6
M04.D-M.1.1.4 Identify time (analog				
or digital) as the amount of minutes				Add and Subtract with
pefore or after the hour. Example 1:				Angles
2:50 is the same as 10 minutes				1,2,3,4,5,6
pefore 3:00. Example 2: Quarter past				
six is the same as 6:15.				
Line Blots				
Line Plots		• line plot	Lesson 27: Line Plots (S/A)	
M04.D-M.2.1.1 Make a line plot to lisplay a data set of measurements		• inte piot	Sample Assessment Questions	
n fractions of a unit (e.g., intervals			SAS Materials/Resources	
of 1/2, 1/4, or 1/8).			<u>5/15 Wideerials/ Nesources</u>	
WAY D WAY A GO I				
M04.D-M.2.1.2 Solve problems				
nvolving addition and subtraction of fractions by using information				
presented in line plots (line plots				
nust be labeled with common				
denominators, such as 1/4, 2/4, 3/4).				
M04.D-M.2.1.3 Translate information				
rom one type of display to another				
table, chart, bar graph, or				
pictograph).				
,	Common Core	luan anatina ta ma		
<u>Angles</u>	4.MD.6, 4.MD.7,	Imperative to use	Lesson 28: Understand Angles (S/A)	
//04.D-M.3.1.1 Measure angles in	4.MD5	exact vocabulary:	Lesson 29: Measure and Draw Angles	
vhole-number degrees using a	1.1100	• angle	(S/A)	
protractor. With the aid of a	PA Core	• ray	Lesson 30: Add and Subtract with Angles	
protractor, sketch angles of	<u>Standards</u>	• vertex	(S/A)	
specified measure.	CC.2.4.4.A.6	degreeright angle	Sample Assessment Questions SAS Materials/Resources	
M04.D-M.3.1.2 Solve addition and		right angleobtuse angle	SAS Materials/ Nesources	
subtraction problems to find unknown		acute angle		
angles on a diagram in real-world and		protractor		
mathematical problems. (Angles must		• compose		
pe adjacent and non-overlapping.)		 decompose 		