

**Ouachita River School District
UNIT PLAN**

Teacher: E. Bergum

Subject: Math

Grade Level: 4th unit 5

Date: _____ Appx Length (Days): _____

UNIT TITLE: Measurement and Data	Student Learning Objectives: <i>What Will the Student Know and Be Able to Do Successfully by the End of This Unit?</i> The Student Will – Convert customary units of length and find measurement equivalents for customary units of length. Measure customary units of capacity, and find measurement equivalents for customary units of capacity. The Student Will – Estimate and measure lengths in the metric system, metric capacities, and mass. Convert metric units and solve problems using measurement. The Student Will – Find the perimeter and area of a figure, rectangles and squares. Relate area to perimeter.
AR Academic Mathematics Standards: <i>Include Essential Learnings!</i> AR.Math.Content: 4 MD.A.1, 4 MD.A.2 AR.Math.Content: 4 MD. A.3 AR.Math.Content: 4 MD.B.4, 4MD.C.5 AR.Math.Content: 4 MD.C.5, 4 MD.C.6	Necessary Prerequisite Skills: <i>What will the Student Need to Know at the Beginning of This Unit?</i> Solve measurement problems involving capacity, mass and measurement quantities. Understand concepts of area and measurement. Measure areas by counting squares. Relate area to the operations of multiplication and addition. Interventions: <i>What are My Plans for Intervening when Students are not Successful on Daily or Interim Assessments?</i> One on one with teacher Collaborative grouping Moby Max Math facts in a flash
Essential Questions/ Big Ideas: <i>Enduring Understanding, Relevance to Students, Overarching Objectives</i> 1. Why do we convert measurements?	Math Practice Standards standard 1: make sense of problems & persevere in solving them standard 2: reason abstractly & quantitatively standard 3: construct viable arguments & critique the reasoning of others standard 4: model with mathematic standard 5: use appropriate tools strategically

2. How can conversion of measurements help me solve real-world problems?		standard 6: attend to precision	
3. Why is important to measure perimeter and area?		standard 7: look for & make use of structure	
		standard 8: look for & express regularity in repeated reasoning	
Learning Activities: <i>What Will the Teacher DO to Accomplish the Student Learning Objectives?</i> Model lessons and activities Collaborative learning		V O C A B U L A R Y	Customary measurement, convert, line plot, capacity, weight, mass, metric system, length, area, perimeter, square units, unit square
		Resources/Technology: <i>List of Websites, Read Aloud Books, Games & etc.</i> Moby Max Math Facts in a flash Text book website	
Assessments Type: <i>How Will I Know the Student Has Been Successful?</i>			
Daily/Exit Ticket	Interim:	Formative:	
Quick check	Mid chapter checkpoint	Chapter test	

