

RTI WBCSD Mathematics Pathway

Sixth Grade 4/14/2016

Universal Screening (Fall) Benchmark Measures (Winter and Spring) ALL STUDENTS	Fall(Sept): <i>AIMSweb Concepts & Applications</i>	Winter (Jan): <i>AIMSweb Concepts & Applications</i>	Spring(May): <i>AIMSweb Concepts & Applications</i>
	Tier 1: Benchmark (50th percentile)	Tier 2: Strategic (25th percentile)	Tier 3: Intensive (Inc. Sp. Ed.) (10th percentile)
Identification/Definition of Need: Analyze for causes/ Collaborative team review *SEE ASSESSMENT BENCHMARK CRITERIA	<i>AIMSweb Concepts & Applications</i> <ul style="list-style-type: none"> • Fall 13 • Winter 17 • Spring 19 	<i>AIMSweb Concepts & Applications</i> <ul style="list-style-type: none"> • Fall 9 to 12 • Winter 12 to 16 • Spring 13 to 18 	<i>AIMSweb Concepts & Applications</i> <ul style="list-style-type: none"> • Fall 0-8 • Winter 0-11 • Spring 0-12
Instructional Plan: Instructional focus <u>(Approximately 85% of core time spent on the focal points.)</u> ↓	Instructional Emphasis (focal Points): <ul style="list-style-type: none"> • Understand ratio concepts and use ratio reasoning to solve problems. • Apply and extend previous understandings of multiplication and division to divide fractions by fractions. • Apply and extend previous understandings of numbers to the system of rational numbers. • Apply and extend previous understandings of arithmetic to algebraic expressions. • Reason about and solve one-variable equations and inequalities. • Represent and analyze quantitative relationships between dependent and independent variables. 	Instructional Emphasis: <ul style="list-style-type: none"> • Focal Points from Tier 1 • Instructional materials are explicit and systematic • Opportunities to solve problems in group and communicate strategies • Multiply and divide multi-digit numbers and find common factors and multiples. • Review of basic math facts and foundational skills including; subtraction with regrouping, multiplication facts, division, operations with decimals, operations with fractions, place value. • Opportunities to develop a sense of reasonable answers and estimation. 	Instructional Emphasis: <ul style="list-style-type: none"> • Focal Points from Tier 1 • Focal Points from previous year • Instructional materials are explicit and systematic • Opportunities to solve problems in group and communicate strategies • Multiply and divide multi-digit numbers and find common factors and multiples. • Review of basic math facts and foundational skills including; subtraction with regrouping, multiplication facts, division, operations with decimals, operations with fractions, place value. • Opportunities to develop a sense of reasonable answers and estimation.
Core Program and/or Intervention: Standard Treatment Protocol and/or Individual Plan ↓	<ul style="list-style-type: none"> • Engage NY • Van de Walle • Georgia • Envisions • McDougall Littell 		

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Mathematical Practices ALL STUDENTS	<ol style="list-style-type: none"> 1. Make sense of problems and persevere in solving them. 2. Reason abstractly and quantitatively. 3. Construct viable arguments and critique the reasoning of others. 4. Model with mathematics. 5. Use appropriate tools strategically. 6. Attend to precision. 7. Look for and make use of structure. 8. Look for and express regularity in repeated reasoning. 		
Implementation: Duration/frequency and delivery of instruction w/ fidelity	60 minutes a day	Intervention is in ADDITION to Core Program 60 minutes, 4 times per week	Intervention is in ADDITION to Core Program 60 minutes, 4 times per week
Progress Monitoring: Verify progress by monitoring response to instruction/intervention	Formative Assessments <ul style="list-style-type: none"> • Exit tickets • Teacher observation and note taking 	<ul style="list-style-type: none"> • ~AIMSweb progress monitoring • monitor 1 time/ 3 weeks • Formative assessment 	<ul style="list-style-type: none"> • AIMSweb progress monitoring • Formative Assessments
Evaluation and Adjustment: Certify mastery and adjust the plan according to the decision making process	Evaluation by classroom teacher monthly and RTI team quarterly ~AIMSweb progress monitoring ~Formative/Summative Assessment ~Cumulative Review	Evaluation by RTI team every 8-10 weeks ~AIMSweb progress monitoring ~Formative/Summative Assessment ~Cumulative Review of Focal Points	Evaluation by RTI team every 8-10 weeks ~AIMSweb progress monitoring ~Formative/Summative Assessment ~Cumulative Review of Focal Points