Using Progress Monitoring Data in an RTI Model

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School Psychology Program

Decision Making with Benchmark Universal Screening Data

Decision Making with Universal Benchmark Data



AIMSWeb Normative Class Report



Grade: 3

1.	F	α-CBM		MAZE	
Score 5		Score			
L		Percentile		Percentile	
		Rank /		Rank /	Instructional
		Comparison		Comparison	Recommendations
	144.0	94.0/ 94.0	25.0	96.1/96.1	Benchmark - At Grade Level
	106.0	66.0/ 66.0	24.0	94.1/94.1	Benchmark - At Grade Level
	121.0	82.0/ 82.0	17.0	82.4/ 82.4	Benchmark - At Grade Level
	103.0	64.0/ 64.0	16.0	76.5/76.5	Benchmark - At Grade Level
	93.0	52.0/ 52.0	15.0	70.6/ 70.6	Strategic - Additional Intervention
	98.0	58.0/ 58.0	15.0	70.6/ 70.6	Strategic - Additional Intervention
	126.0	86.0/ 86.0	14.0	60.8/ 60.8	Benchmark - At Grade Level
	39.0	10.0/ 10.0	14.0	60.8/ 60.8	Intensive - Needs Substantial Interve
	79.0	44.0/ 44.0	14.0	60.8/ 60.8	Strategic - Additional Intervention
	76.0	38.0/ 38.0	13.0	54.9/ 54.9	Strategic - Additional Intervention
	102.0	60.0/ 60.0	13.0	54.9/ 54.9	Benchmark - At Grade Level
	95.0	56.0/ 56.0	12.0	51.0/ 51.0	Strategic - Additional Intervention
	112.0	74.0/ 74.0	11.0	47.1/47.1	Benchmark - At Grade Level
	43.0	14.0/ 14.0	10.0	35.3/ 35.3	Intensive - Needs Substantial Interve
	89.0	50.0/ 50.0	9.0	29.4/29.4	Strategic - Additional Intervention
	53.0	28.0/ 28.0	8.0	21.6/ 21.6	Intensive - Needs Substantial Interve
	47.0	20.0/ 20.0	7.0	15.7/ 15.7	Intensive - Needs Substantial Interve
n	50.0	24.0/24.0	5.0	7.8/7.8	Intensive - Needs Substantial Interve
-	24.0	60/60	3.0	e 1/e 1	Intensive - Needs Substantial Interve

Below Average	Deficient
Low Average	Emerging
Average	Established
Well Above Average	

Recommendations generated using Criterion Referenced - 3 Recommendations rules.

School Psychology Program

AIMSWeb Normative Class Report



AIMSWeb Classroom Instructional Report

Name	Score	Score Rank		Reading Street Instructional Group		
		Local Norms	National Norms			
	144	94	82			
	126	86	68			
	121	82	64		Street Instructional Group	Instructional Recommendations: Reading Street and My Sidewalks on Reading Street© 2008
	112	74	56	On-level On-level Strategic Intervention (Below Level)	Advanced 86th to 99th percentile	Use Reading Street core instruction plus the Advanced lessons in Differentiated Instruction at the back of the Teacher's Editions.
	106	66	50		On-level 41st to 85th percentile	Use Reading Street core instruction.
	103	64	47		ic Intervention (Below Level) 16th to 40th percentile	Use Reading Street core instruction plus the Strategic Intervention lessons at the back of the Teacher's Editions. If using My My Sidewalks on Reading Streeter strategic Intervention, administer the My Sidewalks Placement Test to determine program placement and identify problem areas.
	102	60	47		Intensive Intervention 1st to 15th	Use Reading Street core instruction plus Aly Sidewalks on Reading Street. Administer the My Sidewalks Placement Test to determine program placement and identify program areas.
	98	58	43		percenuie	
	<mark>95</mark>	56	40			
	93	52	38			
	79	44	25			
	76	38	23			
	53	28	11			
	50	24	10			
	47	20	9	Intensive Intervention		
	43	14	7			
	39	10	6			
	31	6	4			

To confirm group placement, use the Assess and Regroup page in the Teacher's Editions.

Decision Making with Universal Benchmark Data

Specialized Learning

Tier III Intensive Needs-Based Learning

Tier II Strategic Needs-Based Learning

Tier I Core Standards-Based Learning Focus of Decision Making

Assessment Questions

2. Elboutobetheetstudentt's eetoekeintissettatie guinkeenspiregise totothe actetorporteoisi?ensive tier? Move back to Tier 1?

- End-of-year benchmarking
 - Identify appropriate grade-level benchmark
 - Mark benchmark on student graph with an X
 - Draw goal-line from the baseline CBM scores to X

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			Fall		Winter		Spring			<u>^</u>
ATMSweb FAO	Grade	Percentile	Num	CD	Num	CD	Num	CD	ROI	
		90		13		22		29	0.4	
		75		8		16		20	0.3	
		50		5		11		14	0.3	
	1	25	4675	2	9635	7	10752	10	0.2	
		10		0		4		6	0.2	
		Mean		6		12		16		
		StdDev		11		8		10		
		90		20		36		41	0.6	
		75		14		30		30	0.4	
		50		10		23		22	0.3	_
	2	25	8787	8	9879	16	10470	16	0.2	=
		10		5		10		10	0.1	
		Mean		12		23		24		
		StdDev		8		11		13		
		90		26		38		46	0.6	
				21		31		$\overset{27}{\frown}$	0.4	-
		50	-	16		23		29	0.4	
	3	25	7886	12	8362	18	8735	21	0.3	
		10		10		13		15	0.1	
		Mean .	-	1/		26		30		
		90		62		74		13	0.7	
		75		46		59		71	0.7	
		50		35		44		53	0.5	
	4	25	8293	24	8735	32	8999	39	0.0	
		10	1	16	5,00	22		28	0.3	
		Mean		37		47		56	210	
		StdDev		18		21		24		
		90		51		60		73	0.6	~



Goal Setting

Rate of improvement (growth) estimates

			Fal	1	Wint	er	Sprin	9		
AIMSweb FAO	Grade	Percentile	Num	CD	Num	CD	Num	CD	ROI	
		90		13		22		29	0.4	
		75		8		16		20	0.3	
		50		5		11		14	0.3	
	1	25	4675	2	9635	7	10752	10	0.2	
		10		0		4		6	0.2	
		Mean		6		12		16		
		StdDev		11		8		10		
		90		20		36		41	0.6	
		75		14		30		30	0.4	
		50		10		23		22	0.3	
	2	25	8787	8	9879	16	10470	16	0.2	
		10		5		10		10	0.1	
		Mean		12		23		24		
		StdDev		8		11		13		
		90		26		38		46	0.6	
		75		21		31		37	0.4	
		50		16		25		29	0.4	
	3	25	7886	12	8362	18	8735	21	0.3	
		10	_	10		13		15	0.1	
		Mean		17		26		30		
		StdDev		8		12		13		
		90	_	62		74		86	0.7	
		75	_	46		59		71	<u>87</u>	
		(₅₀)←	-	35		44		53	(0.5)	
	4		8293	24	8735	32	8999	39	6,4	
		10		16		22		28	0.3	
		Mean		37		47		56		
		StdDev		18		21		24		
		90		51		60		73	0.6	

School Psychology Program

- Using rate of improvement (growth) estimates
 - First three scores average (baseline) = 14
 - Norm for fourth-grade computation = 0.50
 - Multiply norm by number of weeks left in year
 - $16 \times 0.50 = 8$
 - Add to baseline average
 - 8 + 14 = 22
 - Student's end-of-year goal is 22



- Using intra-individual rate of improvement (growth) estimates
 - Identify weekly rate of improvement (slope) using at least eight data points
 - Multiply slope by 1.5
 - Multiply by number of weeks until end of year
 - Add to student's baseline score
 - This is the end-of-year goal



- Intra-individual example
 - Identify weekly rate of improvement using at least eight data points
 - First eight scores slope = 0.625
 - Multiply slope by 1.5
 - $0.625 \times 1.5 = 0.9375$
 - Multiply by number of weeks until end of year
 - $0.9375 \times 12 = 11.25$
 - Add to student's baseline score
 - 11.25 + 12.00 = 23.25
 - 23.25 (or 23) is student's end-of-year goal



Data-Based Decision Making Heuristic for Tiers 2-3

- At the end of Tier 2 or 3 intervention, student benchmark and growth status is evaluated
 - Students at or above benchmark return to Tier 1
 - Students below benchmark, but making adequate (or exceeding) growth progress may be maintained in their current Tier (i.e., either Tier 2 or Tier 3).
 - Students below benchmark and continuing to demonstrate poor growth progress (i.e., underresponding) are moved to a more intensified tier.
 - Tier 2 would move to Tier 3
 - Tier 3 would be considered for an eligibility evaluation.

Decision Making within Tier 4 (Special Education)

- Decision rules for progress monitoring data:
 - Based on the five most recent consecutive scores
 - Based on student's trend-line

Decision Making with Progress Monitoring Data

5 point rule



- Based on the five most recent consecutive scores
 - If the four most recent consecutive scores are all above the goal-line, keep the current intervention and increase the goal



- Based on the five most recent consecutive scores
 - If the five most recent consecutive scores are all above the goal-line, keep the current intervention and increase the goal
 - If the five most recent consecutive scores are all below the goal-line, keep the current goal and modify the instruction
 - When the five most recent consecutive scores are neither above or below the goal-line, maintain the current goal and instruction and continue to progress monitor

Decision Making with Progress Monitoring Data

Analysis based on trend



- When the trend-line is steeper (i.e., accelerating) relative to the goal-line, keep the current intervention and increase the goal
- When trend-line is **lower** (i.e., decelerating) relative to the goal-line, keep the current goal and **modify** the instruction
- When the trend-line is equal (i.e., parallel) to the goal-line, maintain current goal and instruction and continue to progress monitor



- When the trend-line is steeper (i.e., accelerating) relative to the goal-line, keep the current intervention and increase the goal
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Questions?