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Introduction

- Assume commitment to multi-tiered system of supports (MTSS)
- > The model of DATs is atheoretical.
- Simple belief: data should be used to guide instructional decision-making.
- Today's focus is on reading (because of time limits), but can be used for math and other areas.

Key Points re Teaming

- Principal leadership (i.e., active involvement) is key.
- > Function follows form.
- > Team training is important.

Data Analysis Teaming: Tier 1 Focus

Grade level teams working together to...

- Access critical data on all students' performance related to achievement of standards
- Analyze data for all students in the grade and evaluate how the entire group is doing in relation to expectations
- > Set measurable goals to close the gap

Identify and implement research-based instructional strategies to move the whole group toward proficiency levels

NB: The focus is on evaluating the effectiveness of our teaching strategies, not evaluating teachers! (We, the team, are the evaluators.)

Data Analysis Teaming: Tier 2-3 Focus

- Grade level teams working together to...
- Access critical data on individual students' performance related to achievement of standards
- Sort students into groups according to results of screening for further analysis
- Conduct follow-up assessments (drill down)
- Create intervention groups based on data
- Identify and implement research-based instructional strategies to move each student toward proficiency levels.

DAT Membership

- Grade level teams?
 - √ (e.g., all 3rd grade teachers)?
- "Pod" groups
- > Departments?
 - √ (e.g., high school English teachers)

Roles

- Need to decide:
 - Who is session facilitator?
 - Who is the scribe at this meeting?
 - How long will each section take?
 - Who will keep time?

Before we get started...

Data should be prepared for meeting in user-friendly formats:

- Data efficiently displayed on single pages
- Avoid large packs of data (a few pages should do)
- Most critical: Data presented in stages
 - Tier 1 data first: no student names
 - Then Tier 2 and 3 data (student names)

What data will we analyze?

- All Students (Tier 1-Benchmark talk):
 - FAST Suite of Assessments
- Strategic Students (Tier 2 talk):
 - Core Multiple Measures
- Targeted Students (Tier 3 talk):
 - CORE Phonics survey

During the Tier 1 Meeting

- Team accesses all-student data sets.
 - Group data; no names.
- Team identifies current performance of grade level.
- Team sets measurable goal for the group.
- Team identifies instructional strategies.
- Team analyzes suggested strategies.
- Team selects and agrees to implement strategies.
- Team plans logistics of strategy.

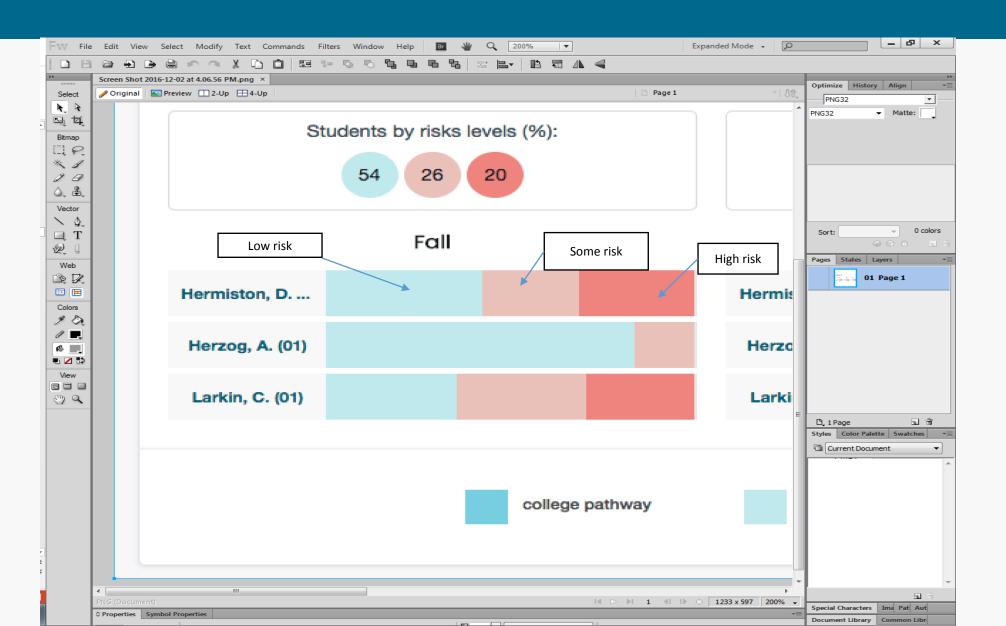
Tier 1 Screening and Intervention Record Form

Date: 1	Meeting: _	BeginningMidyearB	and of Year	Grade:	
Meeting A	Attendees	Position	Meeting Attend	lees	Position
Target SI	rill. Parcents	ge of students at proficient	level based on ben	chmark/stand	and
Target Si	Kill. Tercenta	ge of students at proncient	level based on ben	CHIHAI K/Stand	aru
\vdash					
Goal for	Next Quartei	r: Percentage of students a	t proficient level ba	sed on benchn	nark/standard
Strategie	s Selected for	Implementation this Quar	rter (Tier 1)		
Strategie		zaprementon tars Quan	(2202.2)		
Logistics	for Impleme	ntation of Strategies Select	ed ("To-do's")		
1 1					

Team Identifies Current Performance of Grade Level

- Determine
 - √ % proficient (advanced and proficient)
 - √ % basic
 - √ % minimal performance
- > Prompt
 - "Let's analyze how our students are doing on (benchmark skill)?"
- Record Keeping
 Summarize salient data on SIRF

Fall FAST Nonsense Words: Grade 1



Tier 1 Screening and Intervention Record Form

Date: _	Meet	ing: <u>X</u> Beginning	_Midyear _	End of Year	Grade:1
Meeti	ing Attendees	Position		Meeting Attendees	Position
Willa Jone	es	Principal			
Doug Her	miston	Teacher			
Alice Herz	zog	Teacher			
Carla Larkin		Teacher			
Bea Reddy		Reading Specialist			
Ralph Hyatt		School Psychologist			
Target		ge of students at prof (low risk) on FAST No		el based on benchmar	k/standard
3470	7 tt oenemnark (10w 113k) 011 1710 1 140	HISCHISC VV	orus	
26%	At some risk or	FAST Nonsense Wor	ds		
20%	At high risk on	FAST Nonsense Work	cs		
	32 TEM QUILLE	Trecensing of state		oficient level based on	Sold Marketin G
Strateg	gies Selected for	Implementation this	Quarter	(Tier 1)	
Logisti	ics for Impleme	ntation of Strategies S	Selected ("To-do's")	

Teachers Set Group Goals

- Create brief statements describing expected attainments of group.
- Goal should be stated in terms of % of students making x progress toward identified benchmark.
- Set a deadline or target date.
- Prompt: "What goal(s) shall we aim for by our next review point?"
- Record Keeping: Annotate measurable goal on SIRF.

Tier 1 Screening and Intervention Record Form

Date: _	Meet	ing: <u>X</u> Beginning <u>Midy</u>	earEnd of Year	Grade:1		
Meeti	ing Attendees	Position	Meeting Attendees	Position		
Willa Jone	es	Principal				
Doug Her	miston	Teacher				
Alice Herz	zog	Teacher				
Carla Lark	cin	Teacher				
Bea Redd	y	Reading Specialist				
Ralph Hya	att	School Psychologist				
Target		ge of students at proficien low risk) on FAST Nonsens	t level based on benchmark	s/standard		
		,	e words			
26%	At some risk or	n FAST Nonsense Words				
20%	At high risk on	FAST Nonsense Works				
Goal fo	or Next Quarter	: Percentage of students a	t proficient level based on	benchmark/standard		
80%	At benchmark ((low risk) on FAST Nonsens	se Words			
15%	At some risk on FAST Nonsense Words					
5%	At high risk on	FAST Nonsense Works				
Strates	gies Selected for	Implementation this Qua	rter (Tier 1)			
Logisti	ics for Impleme	ntation of Strategies Select	ted ("To-do's")			

Team Identifies Instructional Strategies

- > Prompt
 - √"Let's list some good strategies that will address our goal(s)."

- Record Keeping
 - ✓ Use newsprint to record ideas.



Tier 1 Screening and Intervention Record Form

Date: _	Meet	ing: _X_ BeginningMidy	earEnd of Year	Grade:1
Meetii	ng Attendees	Position	Meeting Attendees	Position
Willa Jone	S	Principal		
Doug Hern	niston	Teacher		
Alice Herz	og	Teacher		
Carla Larki	in	Teacher		
Bea Reddy		Reading Specialist		
Ralph Hyat	tt	School Psychologist		
Target	Skill: Percenta	ge of students at proficien	t level based on benchmark	x/standard
54%		low risk) on FAST Nonsens		
26%	At some risk or	FAST Nonsense Words		
20%	At high risk on	FAST Nonsense Works		
			t proficient level based on	benchmark/standard
80%		low risk) on FAST Nonsens	e Words	
15%	At some risk or	n FAST Nonsense Words		
5%	At high risk on	FAST Nonsense Works		
Strateg	ies Selected for	Implementation this Qua	rter (Tier 1)	
Phonics	Emphasize lett	er and sound blending comp	onents of My Sidewalks read	ling series.
	Supplement in	small groups with Letter Cu	be Blending	
Logistic	es for Impleme	ntation of Strategies Select	ted ("To-do's")	

Team Analyzes Suggested Strategies

- Analyze according to:
 - Strategy should be evidence-based.
 - Strategy should be practical.
 - Curricular materials should be available to implement strategy.
- Prompts: "Let's rate these ideas. Which ones have good research base? Of those, which ones are most practical? What materials do we have available? What materials do we need?"
- Record keeping: Annotate newsprint of ideas

Team Selects and Agrees to Implement Strategies

Prompt: "Based on what we see on the display, what's our choice for the best strategy(ies)?"

Record keeping: Write an explicit description of the strategy on the SIRF.

Team Plans Logistics of Intervention

- > Team assists all teachers in learning strategy using:
 - ✓ peer modeling and coaching
 - ✓ grade-level chats regarding implementation
 - ✓ assistance by specialists.
- > Team locates or creates instructional materials.
- > Team plans for self-monitoring of use of strategy.
- > Team plans time to create/adapt materials.
- Team plans strategies for teaching strategies to novice teachers.
- Team plans to monitor fidelity.

Questions to Ask

Prompt

- o "What do we need to do as a team to make this really happen for our students?"
- o "What do we have to do to make sure we **all** use this strategy as planned?"
- o "Who can help us with implementation?"
- o "How will we know that we are on track?"
- o "What will we do to ensure that we're all implementing the strategy with fidelity?"
- Record keeping: Annotate the SIRF with "to-do's"

Tier 1 Screening and Intervention Record Form

Date: _	Meet	ing: _X_BeginningMidy	earEnd of Year	Grade:1
Meeti	ng Attendees	Position	Meeting Attendees	Position
illa Jone	s	Principal		
oug Heri	niston	Teacher		
lice Herz	og	Teacher		
arla Lark		Teacher		
ea Reddy	7	Reading Specialist		
alph Hya	tt	School Psychologist		
Target 54%		ge of students at proficient low risk) on FAST Nonsenso		s/standard
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26%	At some risk or	n FAST Nonsense Words		
20%	At high risk on	FAST Nonsense Works		
80% 15% 5%	At some risk on At high risk on ties Selected for Emphasize lett	Percentage of students at a clow risk) on FAST Nonsense Words FAST Nonsense Works Implementation this Quarter and sound blending compound groups with Letter Cui	rter (Tier 1) onents of My Sidewalks read	
Logisti	cs for Impleme	ntation of Strategies Select	ed ("To-do's")	
		ll observe Mrs. Herzog on im	plementation of phonics ins	truction in
	her classroom			
	Ms. Jones will	provide coverage for Mrs. La	arkin so that she can observe	Mrs. Herzog.
	Fidelity check:	Teachers sill self-rate on fide	elity check for Letter Cube B	lending.

Teachers Implement Strategies

- With goal in mind, teachers review specific strategies for teaching targeted skills.
- Many teams choose to adopt entirely new interventions/strategies.
- Keep focused on scientifically-validated strategies that target "groups" of students.
- > All strategies are whole- or small-group interventions.

Differentiated Instruction in Tier 1

- Considerations for students in the "some risk" category (e.g., scaffolding).
- Differentiated instruction in general ed.
- Supplemental materials targeted to specific skill deficits?

Benefits of Tier 1 DATs

- Promotion of evidence-based instruction on a wholeclass, whole-school level
- ➤ Eventual focusing of resources on fewer students at Tiers 2 and 3 (10-15% and 5% of student population respectively)

Who gets Tier 2 supports?

- Students who lag behind other students on tier 1 assessments.
- Use data to identify students at "some risk" or "high risk" level.

Tier 2

- > Tier 2 supplements, not replaces the general curriculum.
- > Students in Tier 2 continue to participate in Tier 1.
- Small intensive groups outside the general ed. classroom (during Tier Time).
- Tier time staffed by classroom teachers and remedial educators.

Tier 2 ...

- Use standard protocol interventions.
- Match students to intervention groups using drill-down data.
- Increase frequency of measurement to twice per month.
- Graph data.
- Calculate students' rates of improvement (ROIs)
- Cycle responders back to Tier 1.
- ➤ Identify non-responders for Tier 3.

Standard Protocol Intervention ...

- is scientifically-validated,
- has a high probability of producing change for large numbers of students when implemented with fidelity (90-95%),
- > is usually delivered in small groups (3-6),
- > can be delivered in 30-45 minutes, 4-5 times per week,

Standard Protocol Intervention ...

- > is designed to be used in a standard manner,
- is often scripted and very structured in instructional scope and sequence,
- > is often targeted at a specific skill deficit,
- offers students a high number of opportunities to respond and receive immediate, corrective feedback (every 15 seconds) and is briskly paced.
- May be computer based.

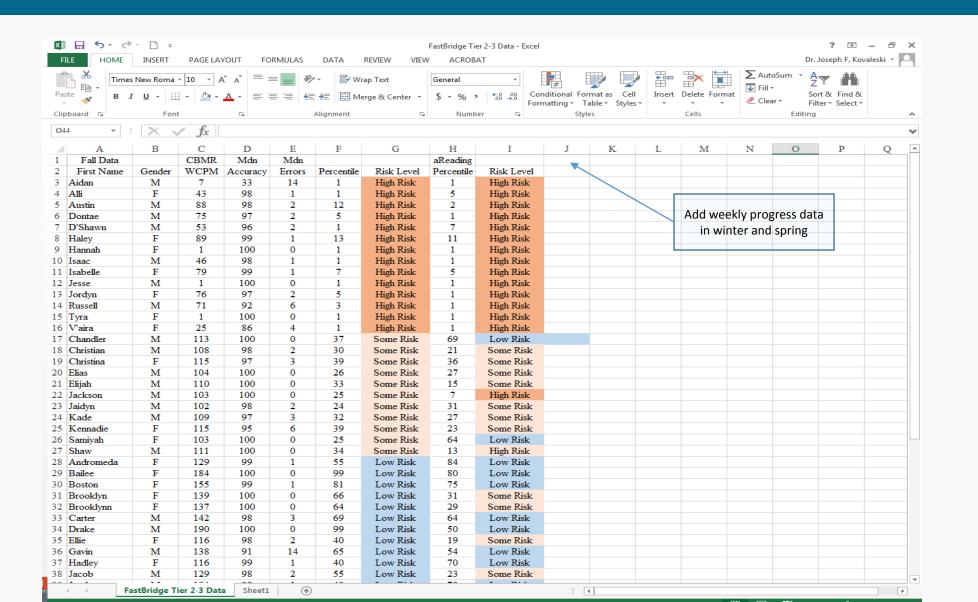
Tier 2-3 Screening and Intervention Record Form

Decoding	Decoding/ Fluency	ier 2-3: Fluency	Fluency/ Comprehension	Comprehension	Further Assessment	Monitor	Othe
	riaciicy		Comprehension		- Date Sallie III		
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							_
oal for Ne	xt Quarter (T	ier 2)					
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onitor Strategies (Group ecoding						PM Fr	eq.
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onitor Group coding coding/ ecoding/ ency en	Programs) Se	Strategy/Pr		Progress		PM Fn	eq.

Step 1: Review students at strategic (some risk) level.

- > Review the data:
 - ✓ Examine critical measures
 - ✓ Example: CBMR and aReading data.
- Decide which students need Tier 2 interventions.
- Identify students with similar needs into groups.

Fall CBMR and aReading: Grade 4



Tier 2-3 Screening and Intervention Record Form

Students Identified for Tier 2-3:

Comprehensi on Group	hstructional Grouping# 2	hstructional Grouping#3	hstructional Grouping#4	hstructional Grouping#5	Further Assessment	Montor	Other
Jackson							
Shaw							
Elijah							
Christian							
Kennadie							
Elias							
Kade							

Goal for Next Quarter (Tier 2)

Comprehension Group	Increase aReading percentile by 10percentile points
hstructional Grouping #2	
Grouping #2	
hstructional Grouping#3	
hstructional Grouping#4	
hstructional Grouping #S	

Strategies (Programs) Selected for Implementation this Quarter (Tier 2)

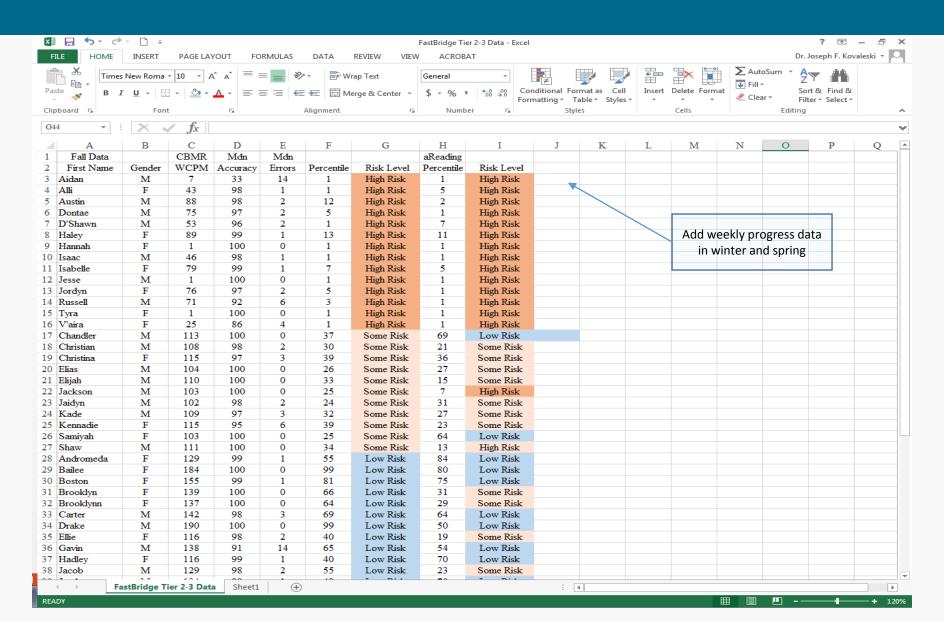
Group	Strategy/Pro	gram Progress Monitoring	PM Freq.
Comprehension Group	Soar to Success	FAST CBMR	2x/month
hstructional Grouping#2			
hstructional Grouping#3			
hstructional Grouping#4			
hstructional Grouping#S			

Loidst	ics for Implementation of Strate2ies Selected ("To-do's")
	Mr. Jones (classroom teacher) will implement intervention.
<u> </u>	Mr. Dadda (madia amaidist) will and dat & daller about
	Ms. Reddy (reading specialist) will conduct fidelity check.

Step 2: Review students at the intensive (high risk) level.

- Annotate if any intensive students have hit benchmark or strategic levels.
- > Review the data:
 - ✓ Examine critical data
 - ✓ Example: CBMR and aReading.
- Decide which students need Tier 2 interventions (which group).
- Plan for more data collection for students needing Tier3.

Fall CBMR and aReading: Grade 4



Tier 2-3 Screening and Intervention Record Form

Students Identified for Tier 2-3:

Comprehensio n Group	Fluency – Comp. Group	Instruction al Grouping #3	Instructio nal Grouping #4	Instructio nal Grouping #5	Furthe r Assessme nt	Monitor	Other
Jackson	Alli						
Shaw	Isaac						
Elijah	D'Shawn						
Christian	Russell						
Kennadie	Dontae						
Elias	Jordyn						
Kade	Isabelle						

Goal for Next Quarter (Tier 2)

COURT TOT TIESTE Que			
Comprehens	Increase aReading percentile by 10 percentile points		
ion Group			
Fluency – Comp. Group	Increase CBMR wcpm by 20-30 wcpm.		
	Increase aReading percentile by 10 percentile points.		

Strategies (Programs) Selected for Implementation this Quarter (Tier 2)

Group	Strategy/Program	Progress Monitoring	PM Freg.
	Strategy/Frogram	Frogress Worldoning	Fivi Fieq.
Comprehensio	Soar to Success	FAST CBMR	2x/month
n Group			
Fluency-	Repeated reading with student pairs	FAST CBMR	2x/month
Comp.	Repeated reading with student pairs	rasi chwik	
Group	Soar to Success		

Logistics for Implementation of Strategies Selected ("To-do's")

LIOS IS TO	implementation of Strategies Selected (10-do s)
Comp.	Mr. Jones (classroom teacher) will implement intervention.
Group	
Both Tier 2 groups	Ms. Reddy (reading specialist) will conduct fidelity check.
Fluency-	Ms. Sigmond (classroom teacher) will implement intervention.
Comp. Group	

➤ Team sets measurable goal(s) for each student identified for Tier 2 supports to achieve by the next review period.

Team plans to monitor use of strategy.

> Team plans for progress monitoring (at least bi-weekly).

- ➤ Team identifies an intervention package targeted at the students' skill deficits for each identified group.
 - ✓ Must be scientifically, research-based and
 - Coordinated with core program instruction
 - Practical
 - Available
 - Staffed with trained personnel.

- > Team plans logistics of intervention:
 - ✓ Who will provide intervention (which instructional group)?
 - ✓ Where will intervention occur?
 - ✓ When will intervention occur?
 - ✓ How often will intervention occur?
 - ✓ How long is each intervention session?

- ✓ For how long will the intervention be provided?
- ✓ With whom does the interventionist communicate?
- ✓ Who will monitor the fidelity of implementation (including self-monitoring)?
- ✓ Have progress monitoring and tracking activities been planned (What tool, who, how often)?
 - At least every other week

Team identifies which students will need more frequent assessment.

- Team identifies students needing more assistance
 - Most deficient students
 - o "Stalled" students
- Prompts
 - o "Let's group the students by need based on the data."
 - o "What intervention will work best with each group?"
 - o "How will we monitor their progress?" "Who will do it?" "How often?"
- Record keeping: Ongoing performance monitoring

Tier 2: Organizational Changes

- General, remedial and special educators pooling resources
- Creative/flexible scheduling to allocate sufficient time to small group instruction
- Creative uses of personnel resources (i.e., many people teaching reading groups)

(Kamp & Greenwood, 2003)

"Special-education-like Instruction" (McMaster et al., 2003)

- immediate corrective feedback
- mastery of content before moving to next lesson
- more time on activities that were especially difficult
- more opportunities to respond
- fewer transitions
- > setting goals and self-monitoring progress
- > special relationship with tutor

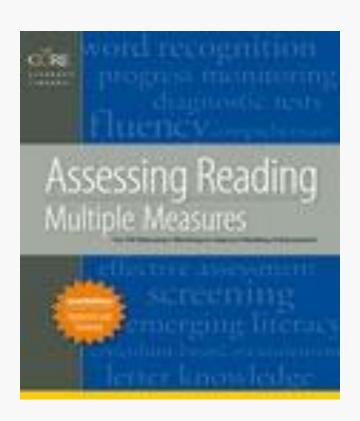
Tier 3

- ➤ Intensive interventions for students at minimal performance or "high risk" level.
- Administration of "diagnostic" assessment of basic skills (e.g., Core Multiple Measures)
- Matching of interventions to results of diagnostic assessments
- Use of standard protocols addressing core (basic skills)

Tier 3

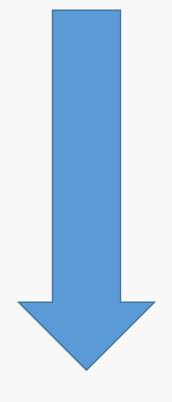
- > Intensive interventions during special periods.
- > Includes, but not limited to, special education.
- Students in Tier 3 continue to participate in Tier1.
- Increasing frequency of measurement to once per week.
- > Cycle responders back to tier 2.

CORE Multiple Measures

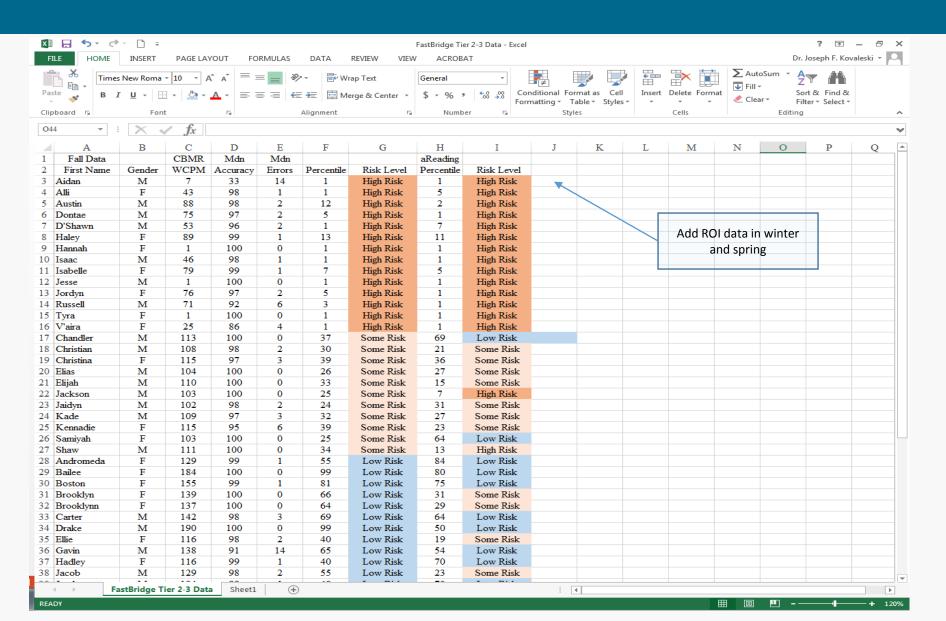


The Assessment Protocol: Grades 4-12 (p. 15)

- All students who are B/BB or recommended for diagnostic assessment:
 - ✓ MAZE Comprehension
 - ✓ San Diego Quick Assessment of Reading Ability
 - ✓ ORF
 - ✓ CORE Vocabulary Screening
 - ✓ CORE Phonics Survey
 - ✓ CORE Phoneme Segmentation Test



Fall CBMR and aReading: Grade 4



Tier 3 Analysis: Differentiating Levels of Intensity Across Instructional Anchors



Tier 3 Screening and Intervention Record Form

Students Identified for Tier 3 (Customized Interventions):

Student Name	Assessment Measure	Score	Assessment Measure	Score	Assessment Measure	Score
Hannah	CBMR	1	aReading	1	CORE Phonics	3
Jesse	CBMR	1	aReading	1	CORE Phonics	5
Tyra	CBMR	1	aReading	1	CORE Phonics	6
Aidan	CBMR	7	aReading	1	CORE Phonics	10
V'aira	CBMR	25	aReading	5	CORE Phonics	13
					Intensive	0-14

Goal for Next Quarter (Tier 3)

Student Name	Goal
Hannah	Increase CBMR wcpm by 20 wcpm
Jesse	Increase CBMR wcpm by 20 wcpm
Tyra	Increase CBMR wcpm by 20 wcpm
Aidan	Increase CBMR wcpm by 20 wcpm
V'aira	Increase CBMR wcpm by 30 wcpm

Strategies Selected for Implementation this Quarter (Tier 3) Strategies Person Responsible Fr

Student Name	Strategies	Person Responsible	Frequency
Hannah	SRA Corrective Reading	Ms. Thurman	45 min./day
Jesse	SRA Corrective Reading	Ms. Thurman	45 min./day
Tyra	SRA Corrective Reading	Ms. Thurman	45 min./day
Aidan	SRA Corrective Reading	Ms. Thurman	45 min./day
V'aira	SRA Corrective Reading	Ms. Thurman	45 min./day

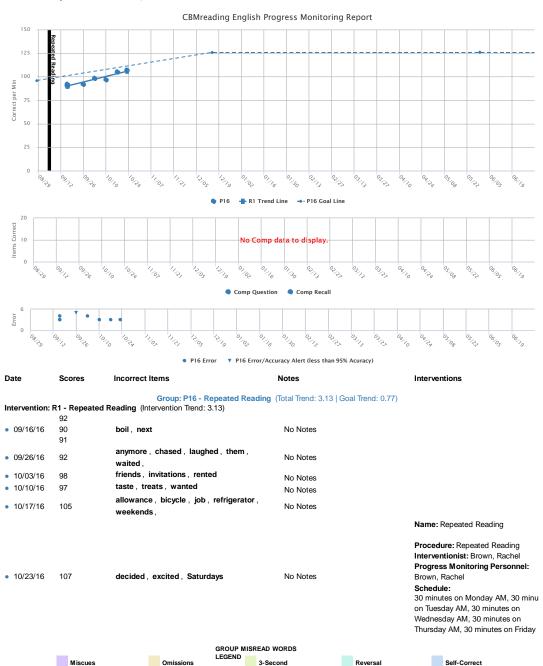
Progress Monitoring Plan:

Student Name	Measure	Person Responsible	Frequency
Hannah	CBMR	Ms. Thurman	Weekly
Jesse	CBMR	Ms. Thurman	Weekly
Tyra	CBMR	Ms. Thurman	Weekly
Aidan	CBMR	Ms. Thurman	Weekly
V'aira	CBMR	Ms. Thurman	Weekly

NEXT MEETING	Date:	Location:	Time:

Frequency of Progress Monitoring

Tier 1	3x/year
Tier 2	2x/month
Tier 3	1x/week



Teaming Perspectives

<u>Helpful</u>

- Antecedents
 - ✓ Instructional strategies
 - ✓ Peer provocations
- Student's specific academic skills
- Can't do vs. won't do

Not So Much

Setting Events

√ Family background

Intelligence (unless ID)

During Intervention

- > Intervention Monitoring:
 - ✓ Is intervention occurring as scheduled?
 - Who monitors schedule? How often?
 - ✓ Is intervention being implemented with fidelity?
 - Fidelity checklists
 - Who monitors fidelity?
 - How often?

- ➤ Team members receive and review data prior to the follow-up team meeting:
 - ✓ Progress monitoring data
 - √ New screening data
 - ✓ Classroom data

- > Team evaluates the effectiveness of the strategies.
 - ✓ Were the strategies implemented as planned?
- Did the student achieve the gains identified in the intervention goal?
 - ✓ Progress monitoring data
 - ✓ Slope appropriate to close the gap to the benchmark?

- Did the student achieve the gains identified in the intervention goal?
 - ✓ Student hit or is close to benchmark: consider moving to a lower tier.
 - Maintain some level of support.
 - Monitor progress in new tier.

What if...

- ✓ Student made some significant gains but needs to continue needed tier supports.
 - Arrange logistics of continued intervention.
 - Set new goal.
 - Schedule review meeting.

What if...

- ✓ Student continues to fall behind with the gap to benchmark widening.
 - Student moves to a more intense intervention.
 - Plan logistics of intervention.
 - Set new goal.
 - Schedule review meeting.

What if...

✓ Tier 3 students with minimal progress may be referred for an evaluation of special education eligibility.

- All data move to the evaluation process.
- Identify logistics of evaluation process.

Communicate team decision to classroom staff, parents and interventionists.

Ensure all data and student movement through the tiers is logged on the school-wide tracking system.

Results of the Three Tier Process

- Identify which students have good or poor response to instruction (RTI).
- Sort students who need further help.
- Decide which students are helped in general education.
- Decide which students need evaluation for special education.

Your Ideas and Questions



Resources

- A script for operating DATs and SIRF forms can be found at:
- http://www.rtinetwork.org/essential/assessment/databased/teamprocess

Fidelity checklists can be accessed at: http://www.rtinetwork.org/getstarted/evaluate/treatment-integrity-protocols

Thank You!