

# MTSS and Core Instruction in Reading

Matthew Burns, Ph.D.

 @burnsmk1



# Reading Instruction in Elementary School

Two hours  
each day

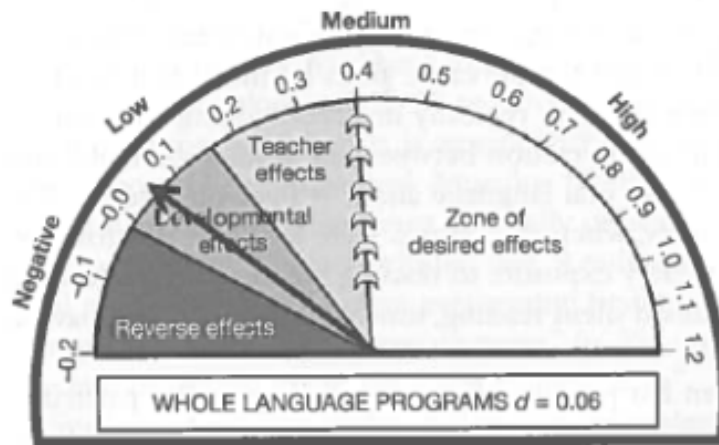
Explicit  
instruction

Word study

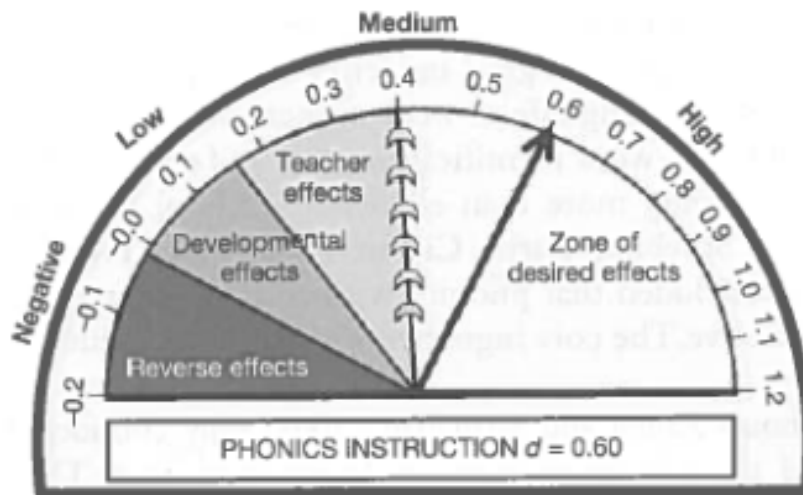
Free-choice  
reading

Writing

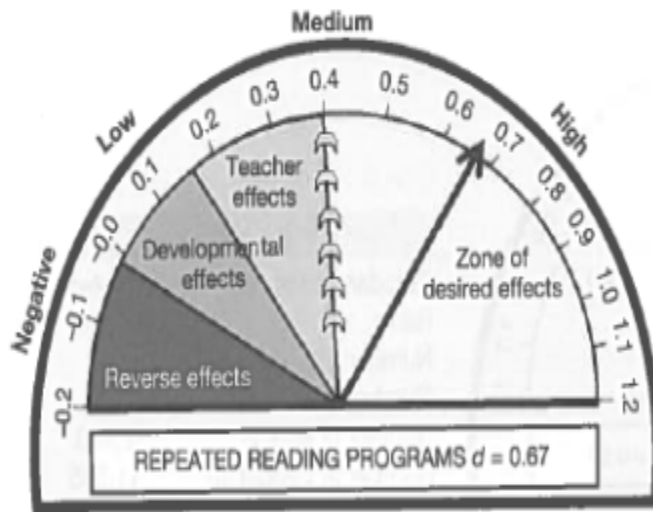
# Hattie – Visible Learning



KEY	
Standard error	0.056 (Medium)
Rank	129th
Number of meta-analyses	4
Number of studies	64
Number of effects	197
Number of people (1)	630

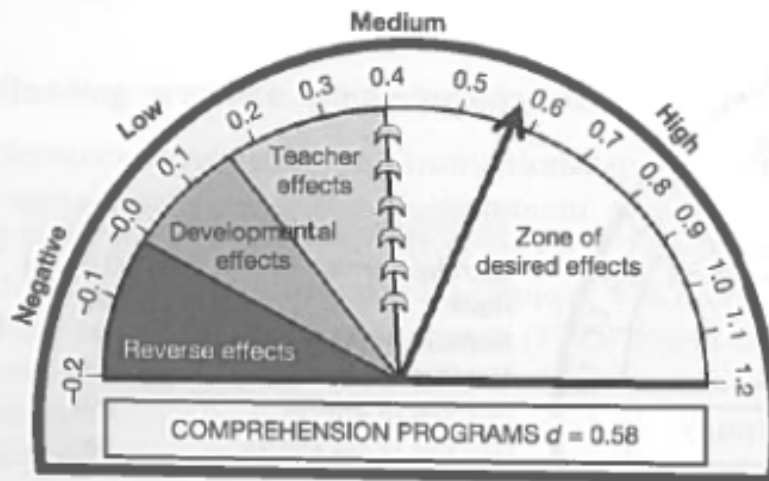


KEY	
Standard error	0.221 (High)
Rank	22nd
Number of meta-analyses	14
Number of studies	425
Number of effects	5,968
Number of people (5)	12,124



KEY

Standard error	0.080 (High)
Rank	16th
Number of meta-analyses	2
Number of studies	54
Number of effects	156
Number of people (0)	na



KEY

Standard error	0.056 (Medium)
Rank	28th
Number of meta-analyses	9
Number of studies	415
Number of effects	2,653
Number of people (6)	11,585



# Teacher Roles

- Activator

Drill & practice  $d = 0.99$

Feedback  $d = 0.72$

Meta-cognition  $d = 0.67$

Direct Instruction  $d = 0.59$

Mastery Learning  $d = 0.57$

Formative Assessment  $d = 0.46$

**Total  $d = 0.60$**

- Facilitator

Simulation/game  $d = 0.32$

Inquiry-based  $d = 0.31$

Class size  $d = 0.21$

Problem-based  $d = 0.15$

Inductive teach  $d = 0.06$

**Total  $d = 0.17$**

# Interventions for Children with Learning and Behavioral Disabilities

Reading comprehension	1.13
Applied behavior analysis	0.93
Direct instruction	0.84
Psycholinguistic training	0.39
Social skills training	0.21
Modality instruction	0.15
Perceptual training	0.08

Kavale & Forness, 2000

# National Survey of Special Education Teachers

Percent used at least weekly

Applied behavior analysis	70.1%
Direct instruction	89.6%
Psycholinguistic training	40.2%
Social skills training	75.8%
Modality instruction	79.9%
Perceptual training	31.6%

Burns & Ysselyke, 2009



Reflection break 1 – What is one thing that I do that activates student learning?





# Effective PLCs Matter

On student achievement  
Beyond school variables  
Beyond starting scores



JOURNAL OF EDUCATIONAL AND PSYCHOLOGICAL CONSULTATION  
<https://doi.org/10.1080/10474412.2017.1385396>



## Factors of Professional Learning Community Implementation and Effect on Student Achievement

Matthew K. Burns, Meredith R. Naughton, June L. Preast, Ze Wang,  
Robert L. Gordon, Vicki Robb, and Michelle L. Smith

University of Missouri

# Components of Effective PLCs (according to research)

<b>Collaborative Leadership Process</b>	<b>Data-Driven Systems for Learning</b>
Learning Community Culture (mission, vision, commitments, smart goals)	Student Learning (unwrapped learning objectives, instructional map)
Building Leadership Team (shared leadership, meeting conditions, communication and feedback, trust)	Assessment (matched to purpose, feedback to students)
Administrative Leadership (model, communication, active involvement)	Continuous Improvement (induction, action research, data analysis, celebration)
Systems of Intervention (focus on results, collectively responsible, tier 1, tier 2, tier 3, protocols, school-wide implementation)	

PLC Meetings:	Agenda
PLC: 1 <sup>st</sup> weekly meeting of the month (Content Focus)	<ul style="list-style-type: none"> <li>• Grade level teams and coaches with additional personnel as appropriate</li> <li>• School-site established PLC focus on various topics (e.g., math, STEM, behavior, environment, or other school topical initiatives)</li> </ul>
PLC: 2 <sup>nd</sup> weekly meeting of the month MTSS (Core Instruction Literacy Focus)	<ul style="list-style-type: none"> <li>• Grade level teams and coaches with additional personnel as appropriate</li> <li>• Examine various formal and informal data to drive core instruction</li> <li>• Agenda will include embedded professional development on topics that address opportunities and challenges for core instruction</li> </ul>
PLC: 3 <sup>rd</sup> weekly meeting of the month (Content Focus)	<ul style="list-style-type: none"> <li>• Grade level teams and coaches with additional personnel as appropriate</li> <li>• School-site established PLC focus with schools studying varied topics</li> </ul>
PLC: 4 <sup>th</sup> weekly meeting of the month MTSS (Data Analysis)	<ul style="list-style-type: none"> <li>• <b>Grade level teams and coaches with additional personnel as appropriate (data management team)</b></li> <li>• <b>Analyze screening/benchmark data</b></li> <li>• <b>Analyze progress monitoring data</b></li> <li>• <b>Discuss, monitor and adjust tiered interventions.</b></li> </ul>

Reflection break 2 – What characteristics of data-driven systems of learning do our PLCs exhibit?







Does This  
Look Familiar?

MAP Criterion = 212

CBM-ORF Criterion = 141

Student	MAP	CBM-ORF
601	225	209
602	210	113
603	210	135
604	196	138
605	219	145
606	211	75
607	220	128
608	206	132
609	204	126
610	221	214
611	183	88
612	209	137
613	211	158
615	210	122
616	222	133
617	224	158
618	211	85
619	208	140
620	210	137
621	214	125
622	204	101
623	215	122
624	227	172
<b>Median</b>	<b>211</b>	<b>133</b>

# What is the Class Median?

- Median: the middle value in a list of numbers when the values are arranged from lowest to highest.
- Finding the class median:
  - Order student scores from the lowest to highest value.
  - The score in the middle of the list is the median.
  - If there is an even number of scores, take the average of the middle two scores.

# What is the Class Median?

MODEL	Winter Benchmark 101		
	Student	Grade	ORF
			WRC Errors
A	3	21	8
B	3	18	6
C	3	87	1
D	3	110	0
E	3	46	6
F	3	92	1
G	3	89	3
H	3	98	1
I	3	119	2
J	3	96	2
K	3	50	8
L	3	122	2
M	3	97	1
N	3	49	6
O	3	105	0
P	3	86	6
Q	3	89	2
R	3	76	3
S	3	112	3
T	3	141	1
U	3	94	2
<b>Class Median</b>			

Winter Benchmark 101			
Student	Grade	ORF	
		WRC	Errors
B	3	18	6
A	3	21	8
E	3	46	6
N	3	49	6
K	3	50	8
R	3	76	3
P	3	86	6
C	3	87	1
G	3	89	3
Q	3	89	2
F	3	92	1
U	3	94	2
J	3	96	2
M	3	97	1
H	3	98	1
O	3	105	0
D	3	110	0
S	3	112	3
I	3	119	2
L	3	122	2
T	3	141	1
<b>Class Median</b>		92	

# What is the Class Median?

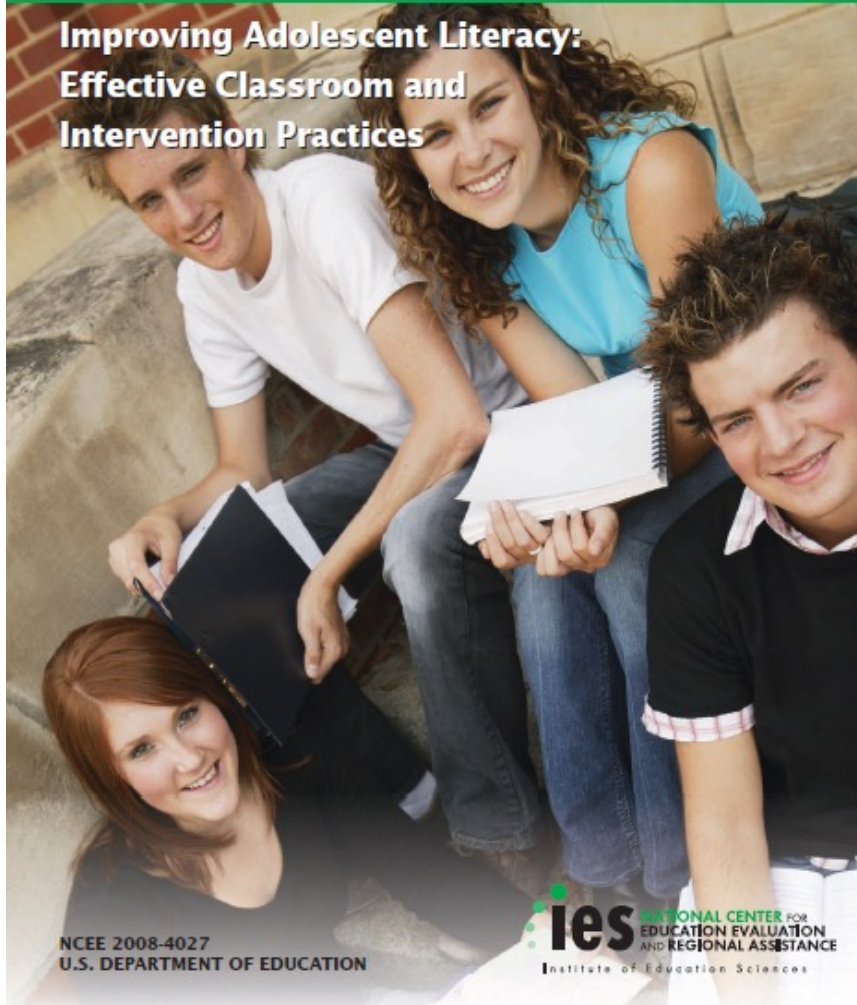
MODEL

Spring Benchmark 75			
Student	Grade	ORF	
		WRC	Errors
A	2	64	5
B	2	22	5
C	2	77	0
D	2	68	4
E	2	21	1
F	2	18	2
G	2	60	0
H	2	70	2
I	2	84	0
J	2	77	0
K	2	26	4
L	2	89	1
M	2	54	0
N	2	46	8
O	2	70	3
P	2	75	0
Q	2	32	6
R	2	35	2
S	2	51	1
T	2	71	1
<b>Class Median</b>			

Spring Benchmark 75				
Student	Grade	ORF		
		WRC	Errors	
F	2	18	2	0
E	2	21	1	0
B	2	22	5	0
K	2	26	4	0
Q	2	32	6	0
R	2	35	2	0
N	2	46	8	1
S	2	51	1	1
M	2	54	0	1
G	2	60	0	1
A	2	64	5	2
D	2	68	4	2
H	2	70	2	2
O	2	70	3	3
T	2	71	1	4
P	2	75	0	4
C	2	77	0	5
J	2	77	0	5
I	2	84	0	6
L	2	89	1	8
<b>Class Median</b>		62		



## Improving Adolescent Literacy: Effective Classroom and Intervention Practices



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Institute of Education Sciences

## Assisting Students Struggling with Reading: Response to Intervention (RtI) and Multi-Tier Intervention in the Primary Grades

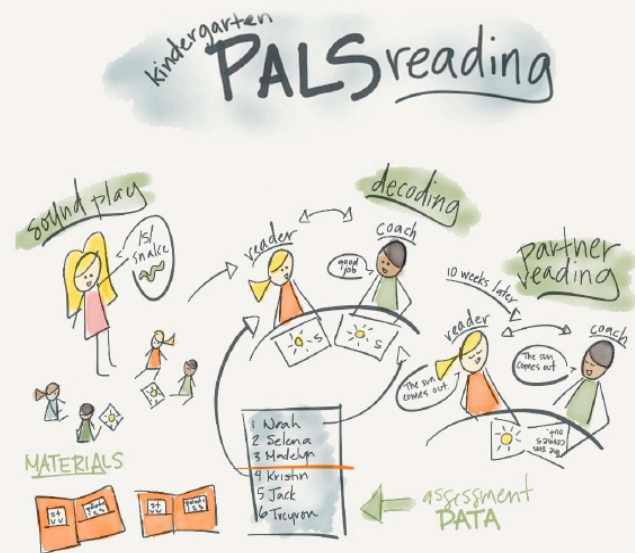


NCEE 2009-4045  
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AND REGIONAL ASSISTANCE  
Institute of Education Sciences

# Kindergarten Peer-Assisted Learning Strategies

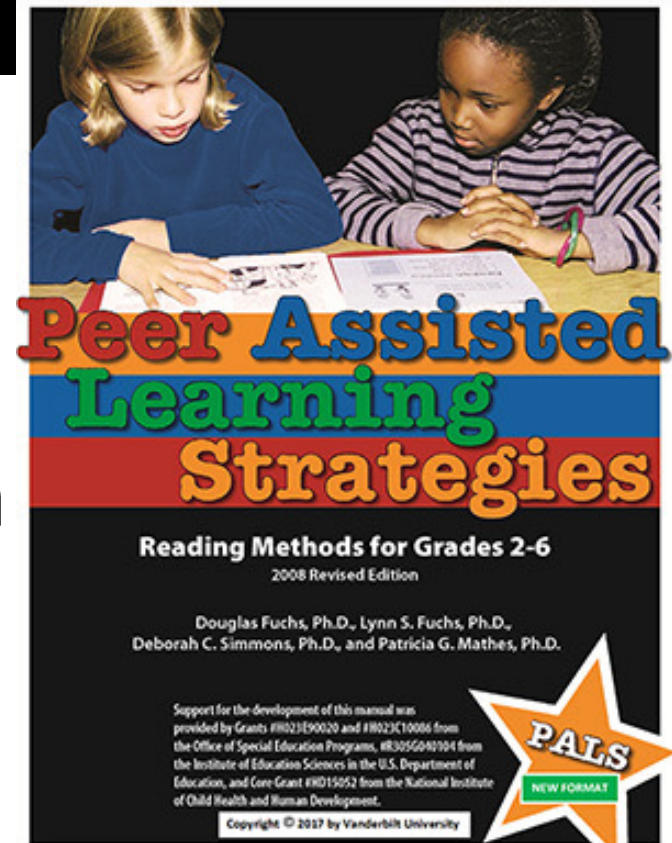
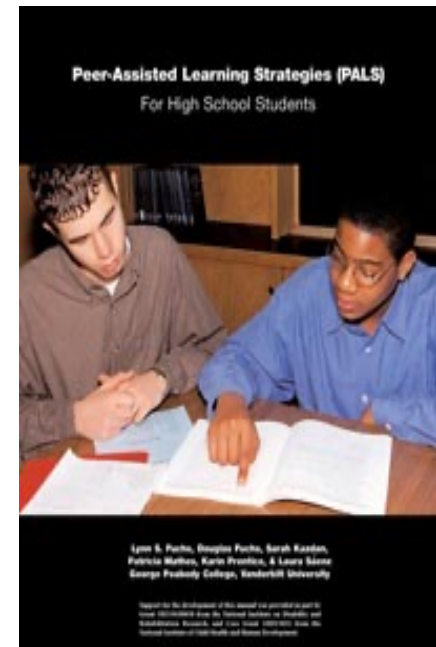
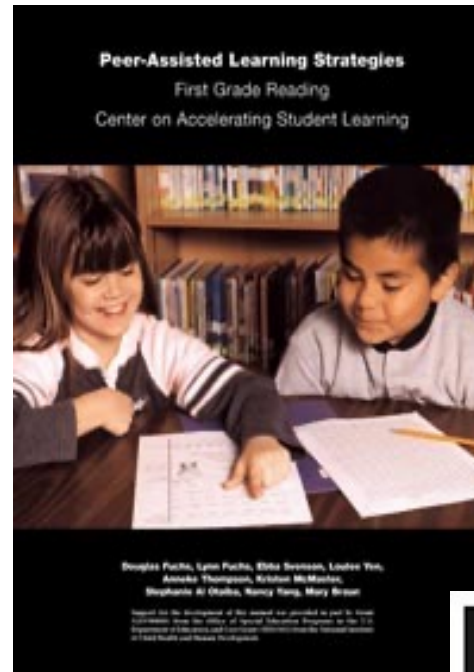
✧ Teacher Manual ✧



Douglas Fuchs, Lynn Fuchs, Kristen McMaster, Anneke Thompson, Stephanie Al Otaiba, and Loulee Yen

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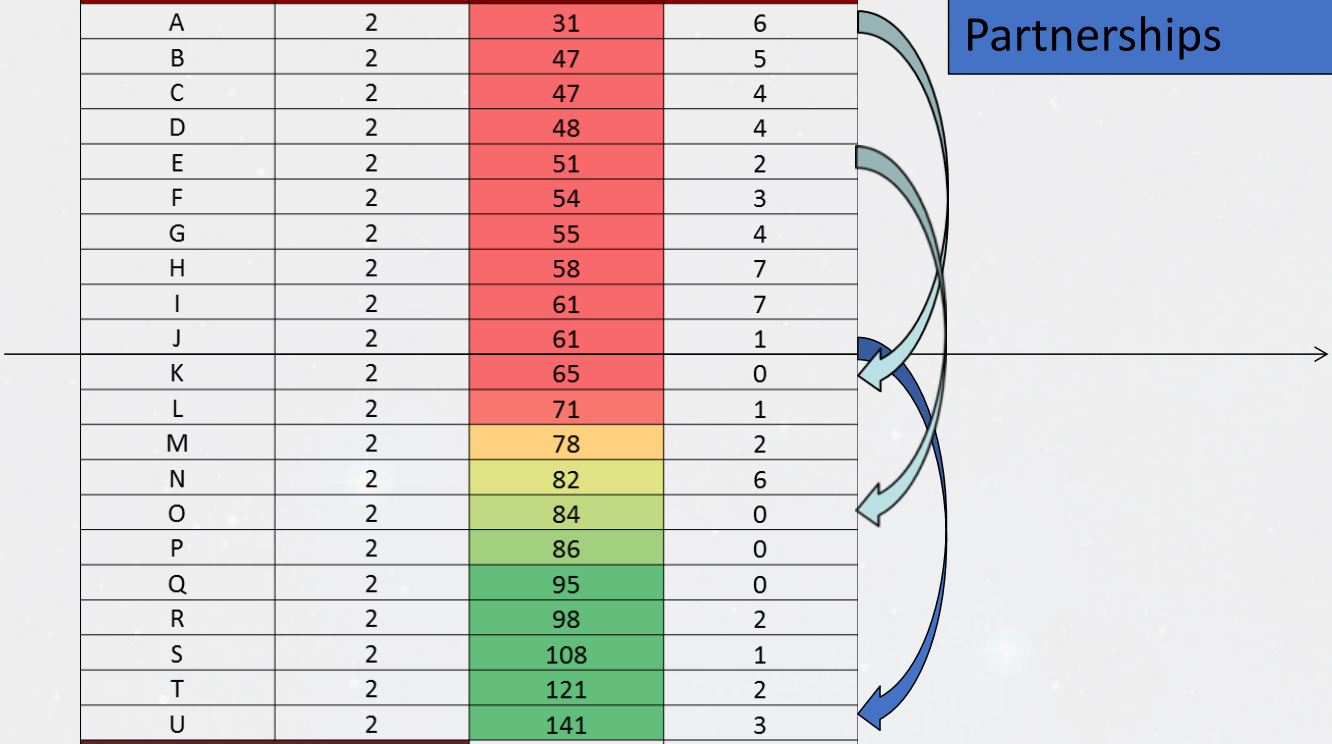


## Classwide Intervention



Spring Benchmark			90	
Student	Grade	ORF		
		WRC	Errors	
A	2	31	6	
B	2	47	5	
C	2	47	4	
D	2	48	4	
E	2	51	2	
F	2	54	3	
G	2	55	4	
H	2	58	7	
I	2	61	7	
J	2	61	1	
K	2	65	0	
L	2	71	1	
M	2	78	2	
N	2	82	6	
O	2	84	0	
P	2	86	0	
Q	2	95	0	
R	2	98	2	
S	2	108	1	
T	2	121	2	
U	2	141	3	
Class Median				

Partner Reading Partnerships



# Procedure

Partner Reading	Paragraph Shrinking
<ol style="list-style-type: none"><li>1. Stronger reader reads aloud for 5 minutes</li><li>2. The weaker reader reads aloud the SAME text for 5 minutes</li></ol>	<ol style="list-style-type: none"><li>1. For 5 minutes the stronger reader continues reading new text in the story, stopping after each paragraph to summarize</li><li>2. For 5 minutes the weaker reader continues with the new text, stopping after each paragraph to summarize</li></ol>



# Paragraph Shrinking

1

NAME THE MOST IMPORTANT **WHO** OR **WHAT**.

2

TELL THE **MOST IMPORTANT THING** ABOUT THE WHO OR WHAT.

3

SAY THE MAIN IDEA IN **10** WORDS OR LESS.

## How to Correct



Stop.



That word is \_\_\_\_\_.  
What word? \_\_\_\_\_.



Good.



Go back and read  
that line again.

# Timeline

1

Collect Data: Pre-test (fluency and comprehension)

---

2

**Day 1:** Train Students on Set Up Procedures and Partner Reading, Practice Reading for 10 minutes, Error Correction

---

3

**Day 2:** Train Students on Paragraph Shrinking, Practice Reading for 10 minutes

---

4

**Day 3-10:** Partner Reading, Paragraph Shrinking 15 minutes every day

---

5

Collect Data: Post-test (fluency and comp.)

# What we found: 3<sup>rd</sup> grade Partner Reading data

<b>Third Grade</b>			
<b>Third Grade Benchmark</b>	<b>91 Words Read Correctly (WRC)</b>		
	<b>Pre Intervention Class Median (WRC)</b>	<b>Post Intervention Class Median (WRC)</b>	<b>Slope (WRC)</b>
<b>Class 1</b>	81	104	11.5
<b>Class 2</b>	87	115	14

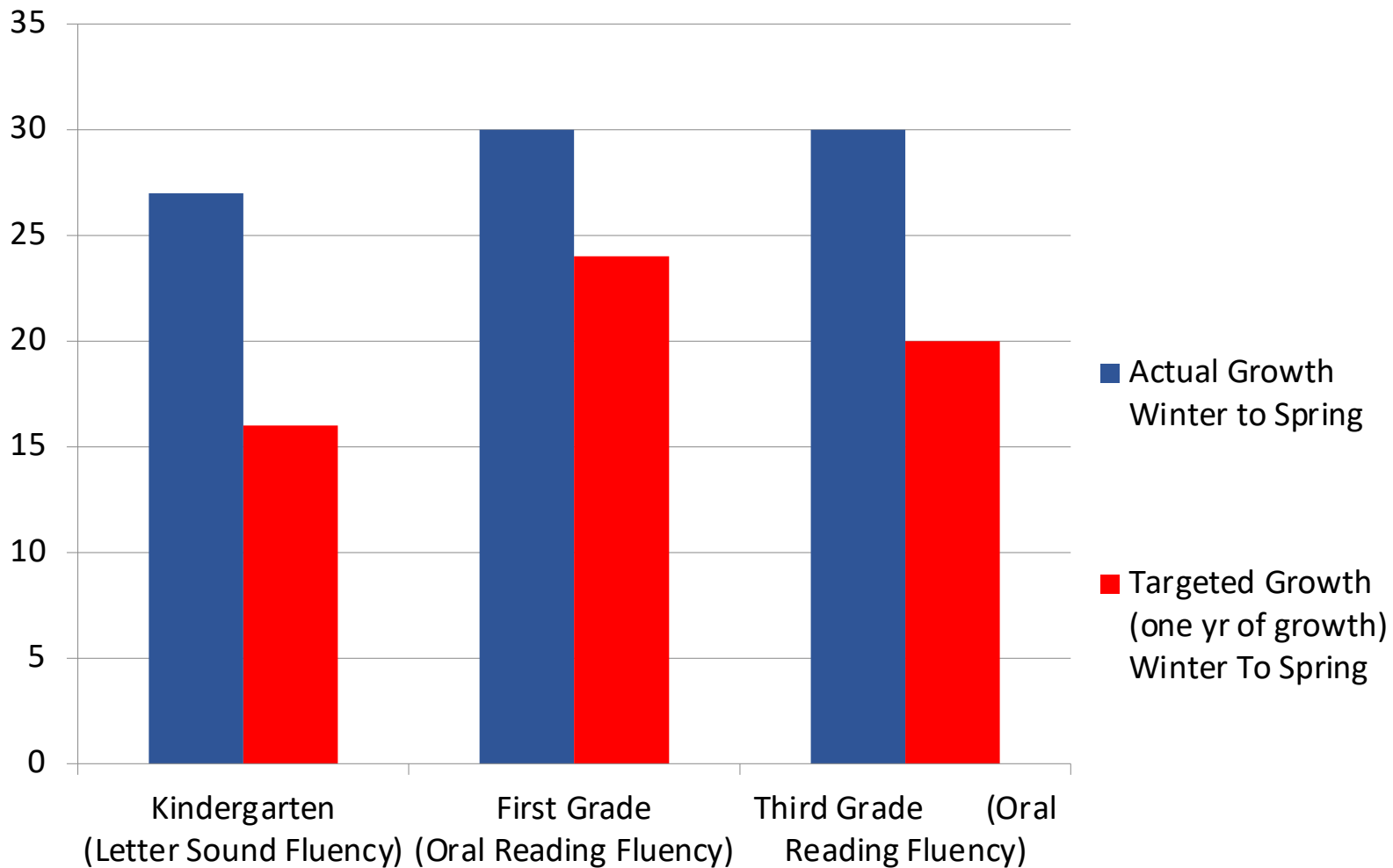
	<b>WRC</b>	<b>WRC after Intervention</b>
Student 1	<b>48</b>	<b>92</b>
Student 2	<b>122</b>	<b>142</b>
Student 3	<b>126</b>	<b>147</b>
Student 4	<b>82</b>	<b>113</b>
Student 5	<b>102</b>	<b>117</b>
Student 6	<b>77</b>	<b>97</b>
Student 7	<b>51</b>	<b>70</b>
Student 8	<b>84</b>	<b>95</b>
Student 9	<b>80</b>	<b>82</b>
Student 10	<b>102</b>	<b>127</b>
Student 11	<b>83</b>	<b>106</b>
Student 12	<b>38</b>	<b>47</b>
Student 13	<b>104</b>	<b>115</b>
Student 14	<b>152</b>	<b>161</b>
Student 15	<b>143</b>	<b>158</b>
Student 16	<b>115</b>	<b>125</b>
Student 17	<b>142</b>	<b>160</b>
Student 18	<b>114</b>	<b>127</b>
Student 19	<b>13</b>	<b>40</b>
Student 20	<b>75</b>	<b>92</b>
Student 21	<b>141</b>	<b>136</b>
Student 22	<b>87</b>	<b>105</b>
Student 23	<b>49</b>	<b>47</b>
Median	<b>87</b>	<b>113</b>



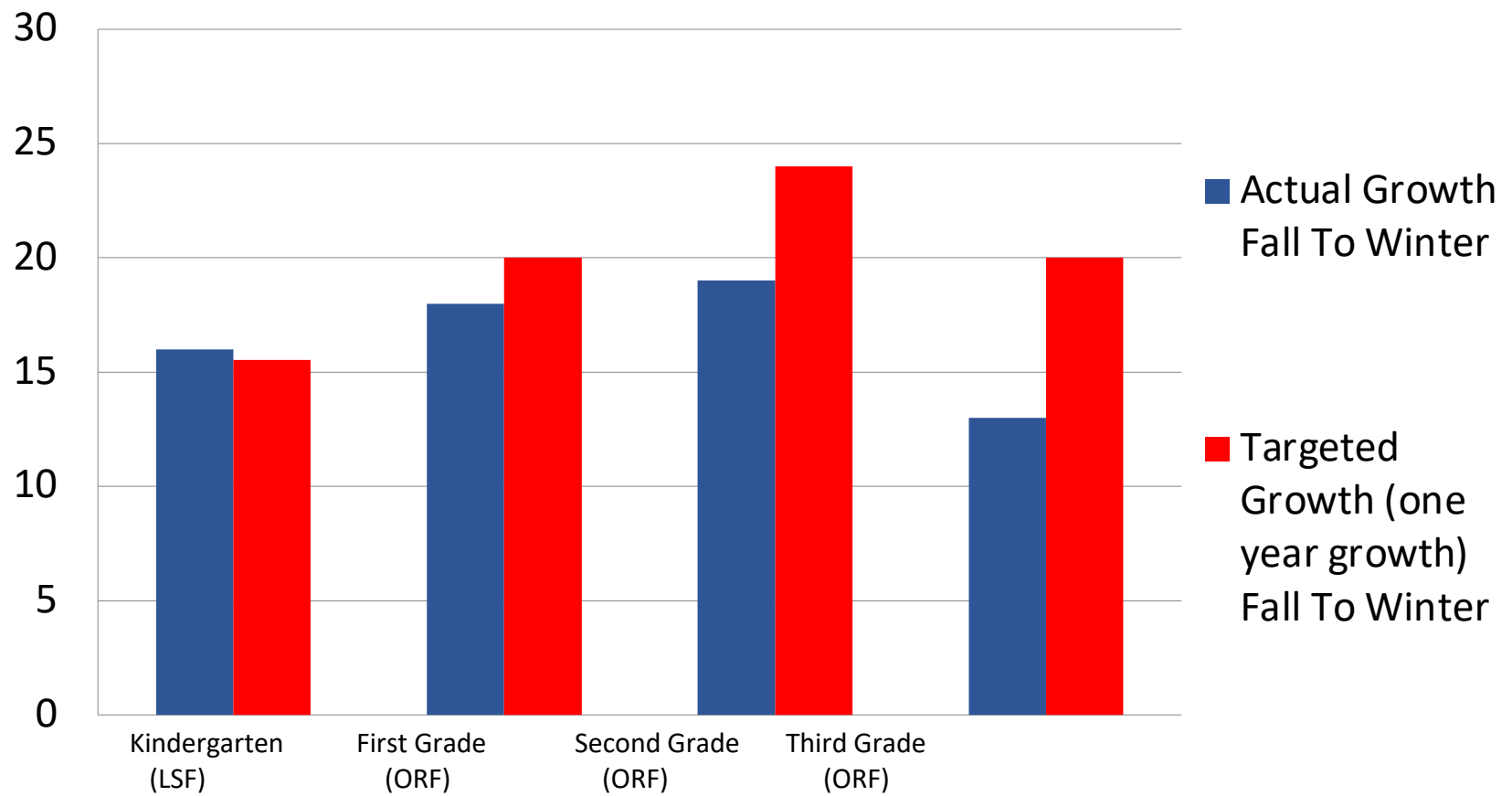
## What we found: 3<sup>rd</sup> grade Partner Reading data

	Students Below Benchmark Pre Intervention	Students Below Benchmark Post Intervention	Total Students in Class
<b>Third Grade Class 1</b>	10	<b>5</b>	20
<b>Third Grade Class 2</b>	13	<b>5</b>	23

## Growth from Winter to Spring Class-Wide Interventions 10 Classrooms K-3



## Growth from Winter To Spring NO Class-Wide Interventions 11 Classrooms K-3



# Maki et al. (2020)

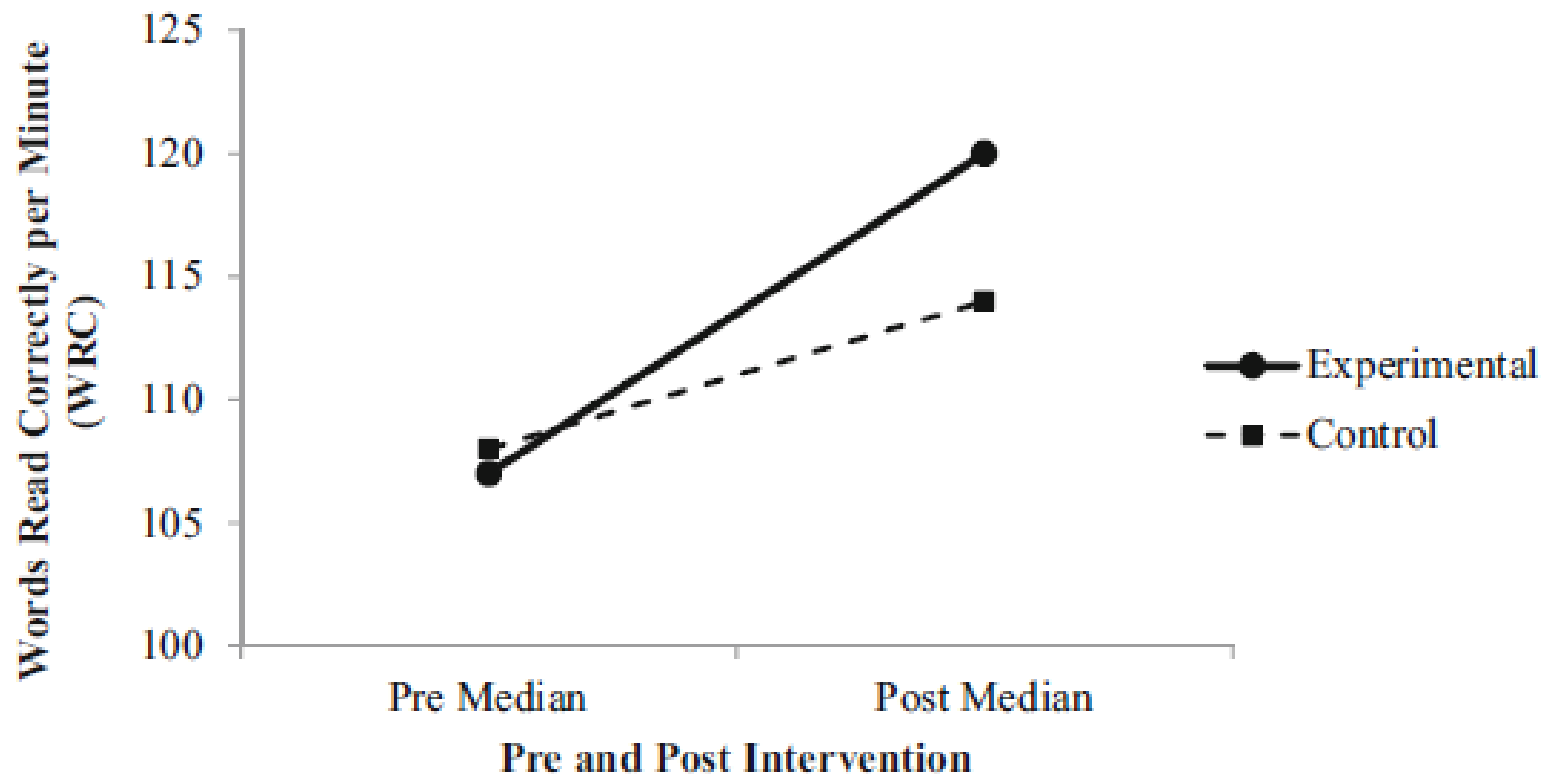


Fig. 1 Curriculum-based measure for reading median scores for treatment and control classrooms

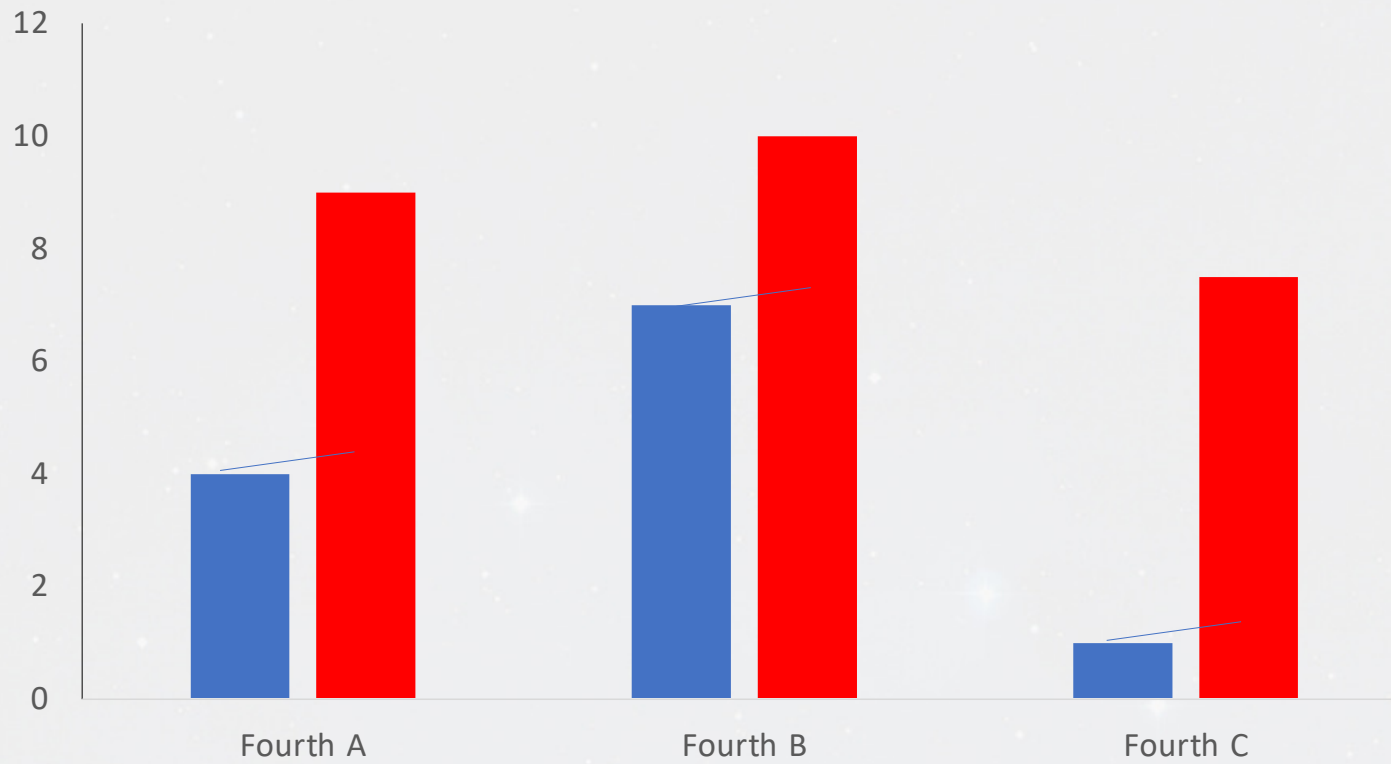




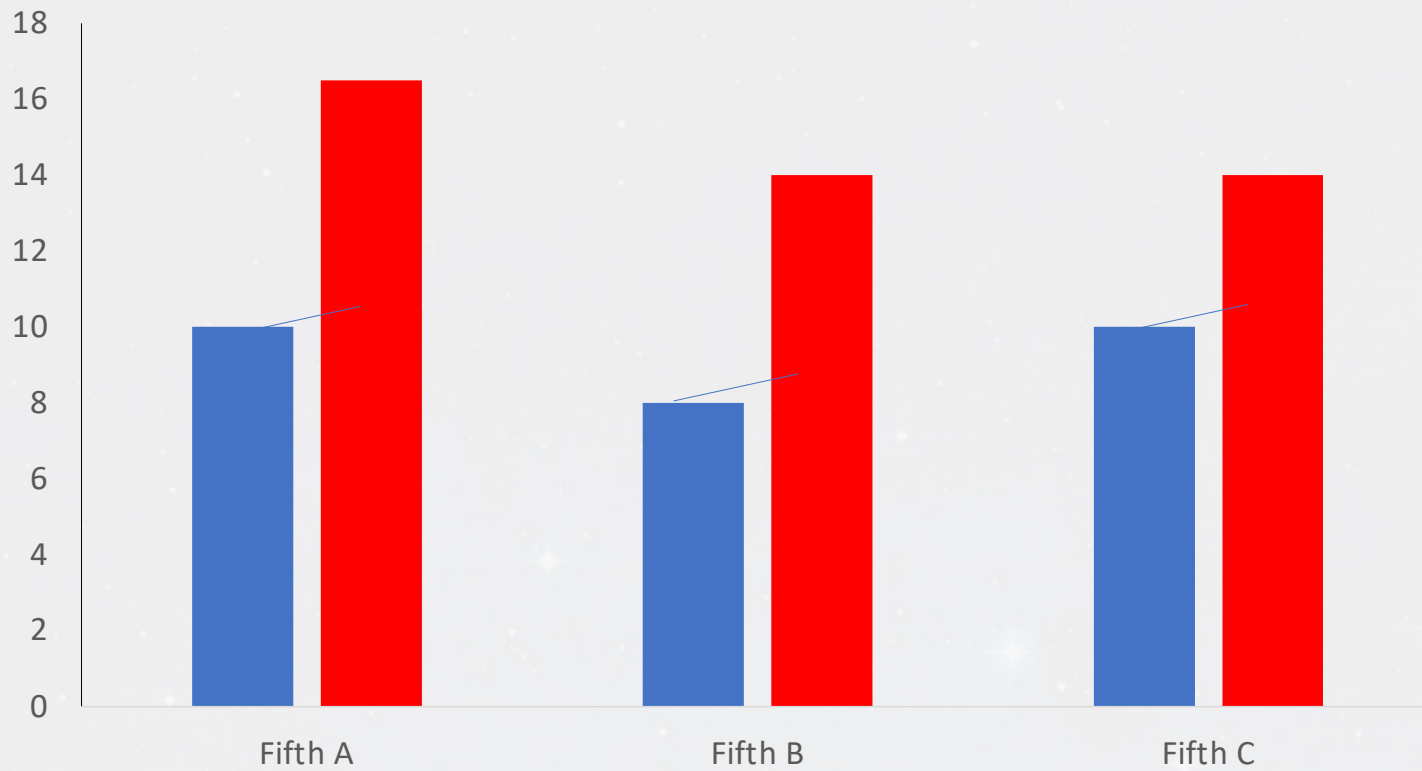
## Science Project

- Approximately 140 4<sup>th</sup> and 5<sup>th</sup> graders
- Science content
- [Readworks.org](http://Readworks.org)
- Science MAZE
- 2 weeks

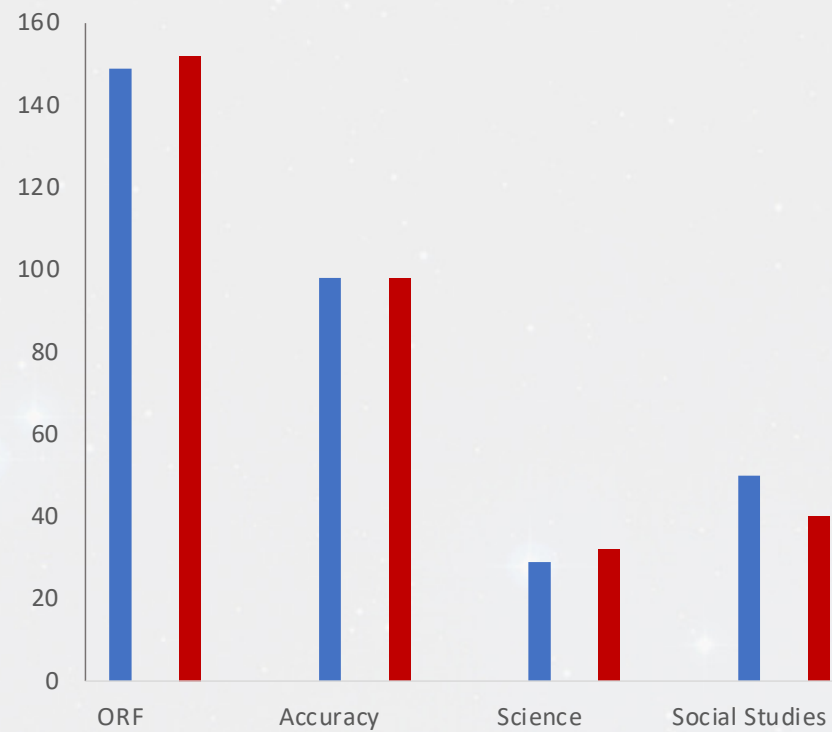
# MAZE Growth 4<sup>th</sup> Grade



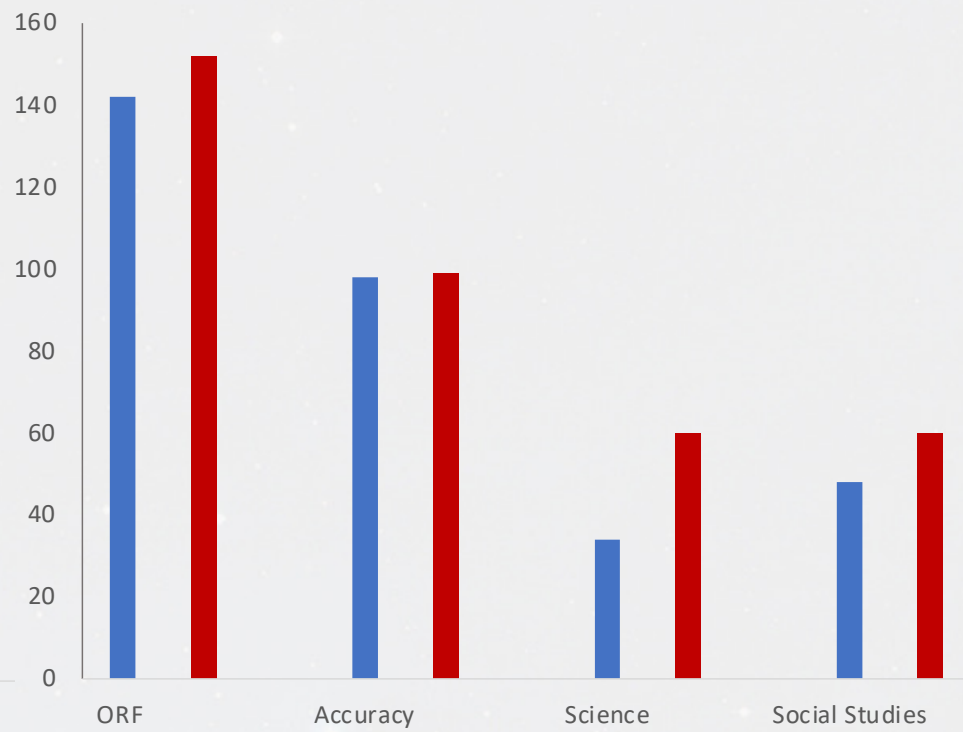
# MAZE Growth 5<sup>th</sup> Grade





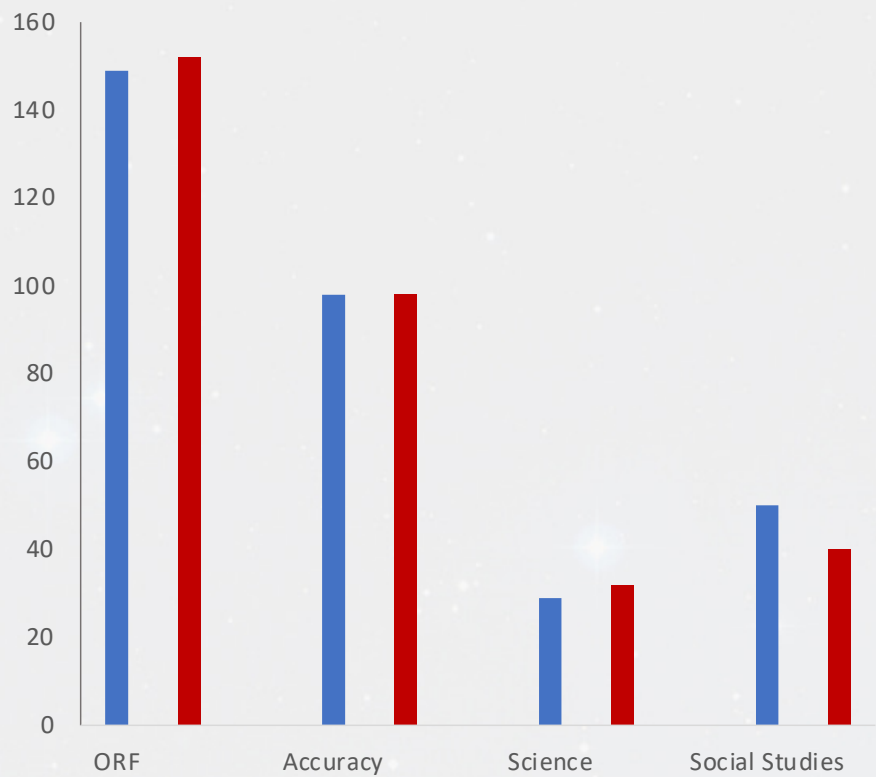


Control Group

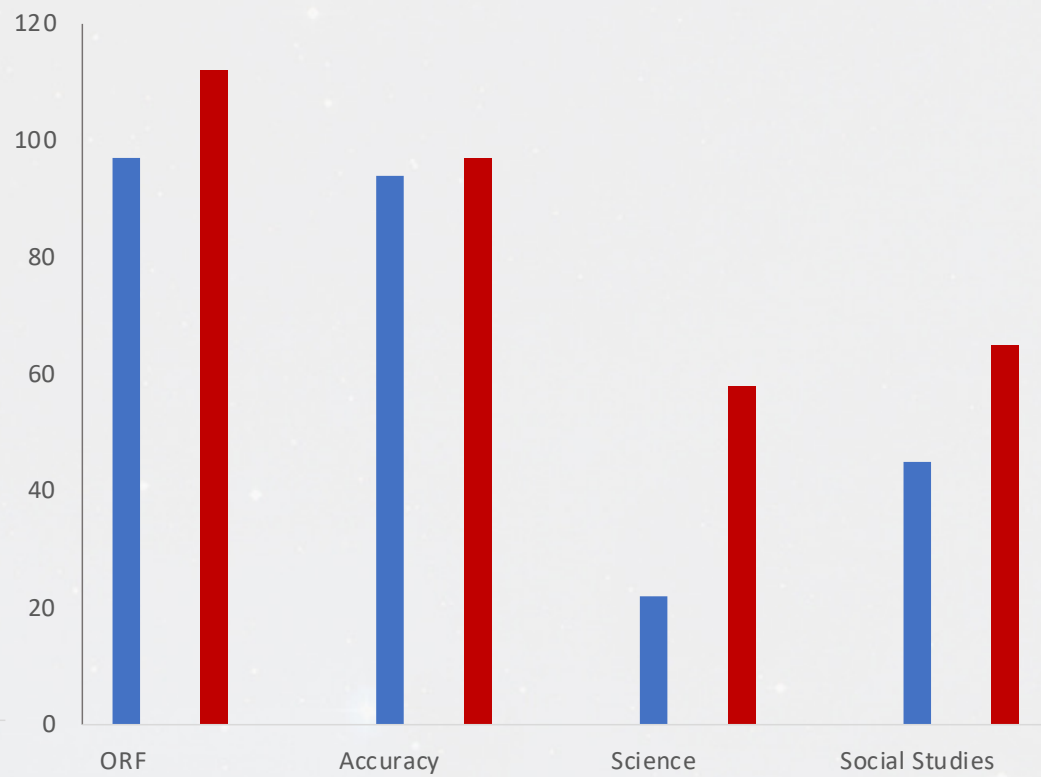


Partner Reading





Control Group



Partner Reading ELL

← Tweet

🔄 You Retweeted



Lindsay Kemeny  
@LindsayKemeny



Two weeks ago our class median for words correct per minute was 50 (2nd grade) . -Now our class median is 66! This is thanks to a class wide intervention I implemented after learning from [@burnsmk1](#). I love doing mini-research in my classroom!



8:17 PM · Oct 12, 2021 · Twitter Web App

15 Retweets 8 Quote Tweets 144 Likes



Reflection break 3 – What barriers would keep you from attempting classwide intervention in your classroom?







Small-Groups in Core  
Instruction



# Do Reading Groups Work?

- Allow for differentiation
- Previously based on student aptitude (remember Red Robin?)
- Within-class grouping led to positive effects for different ability groups (Lou, 2013).

# BUT

- Level  $\neq$  Skill
- Focus on skill

## Problem 1 with level

- Assessment of level are inaccurate
- F&P BAS led to 54% correct decisions



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## Problem 2 – level assessments underestimate good readers and overestimate low readers

Group	Frustration n (%)	Instructional n (%)	Independent n (%)
Low = ORF $\leq$ 25 <sup>th</sup> Percentile	7 (58%)	5 (41.7%)	0 (0.0%)
Middle = 26 <sup>th</sup> to 75 <sup>th</sup> Percentile	2 (9.5%)	4 (19.0%)	15 (71.4%)
High = ORF $\geq$ 76 <sup>th</sup> Percentile	1 (3.2%)	9 (29.0%)	21 (67.7%)



Problem 3 – there are considerable skill differences among kids at the same level



<b>Student</b>	<b>MAP RIT</b>	<b>MAP %ile</b>	<b>F&amp;P</b>	<b>ORF</b>	<b>Accuracy</b>
1	149	1	G	30	77%
2	158	3	G	37	88%
3	159	4	G	30	94%
4	170	27	G	32	87%
5	166	17	G	58	89%
6	188	73	G	80	98%
7	157	1	G	26	93%
8	149	1	G	27	84%
9	160	6	G	36	86%
10	154	1	G	30	77%
11	160	6	G	31	82%
12	166	17	G	44	90%
13	163	11	G	47	90%
14	161	8	G	61	95%
15	167	19	G	70	100%
16	155	1	G	17	77%

## Purposes of Assessment

Screening: Which of my students are not meeting grade level expectations given Universal Instruction? (e.g., Star Reading, CBM-R)

Diagnostic: What are the specific needs of students who struggle with reading or math? (e.g., measures of skills)

Monitoring Progress: What does the student's growth look like? (CBM)

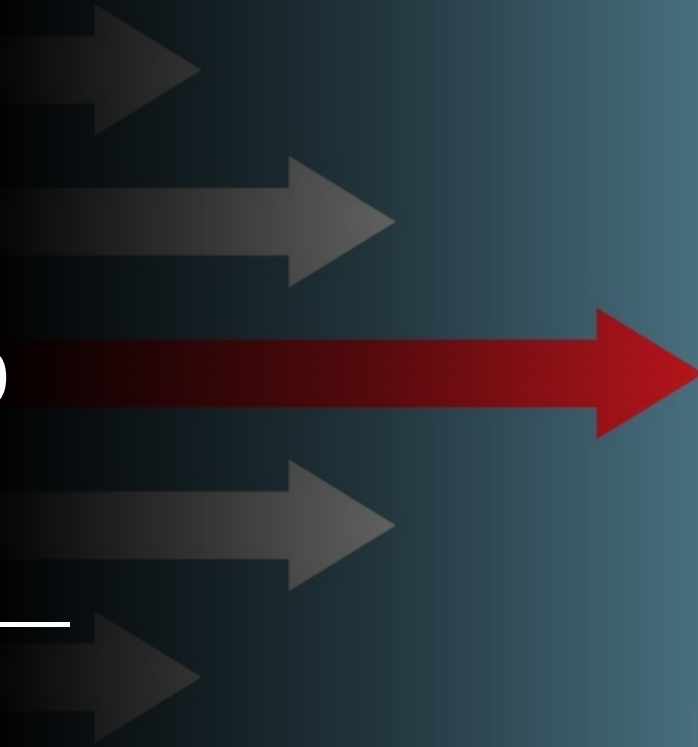


Reflection break 4 – What classroom assessments do I use that measure more than level?





# Targeting Small-Group Instruction





**Phonemic Awareness** is the ability to hear and manipulate sounds letters make; our spoken language (Armbruster, et. al, p.1)

**Phonics** is understanding each letter has a sound(s) that go with it; relationship between spoken and written language (Armbruster, et. al, p.17)

**Fluency** is accurate and quick reading of text where the reader recognizes words and does not need to figure out what each word is (Armbruster, et. al, p.19)

**Vocabulary** is the words we use to listen, speak, read, and write; how we communicate (Armbruster, et. al, p. 29)

**Comprehension** is understanding what is being read by actively making sense of the text with the help of various strategies (Armbruster, et. al, p. 41)



## LANGUAGE COMPREHENSION

BACKGROUND KNOWLEDGE  
(facts, concepts, etc.)

VOCABULARY  
(breadth, precision, links, etc.)

LANGUAGE STRUCTURES  
(syntax, semantics, etc.)

VERBAL REASONING  
(inference, metaphor, etc.)

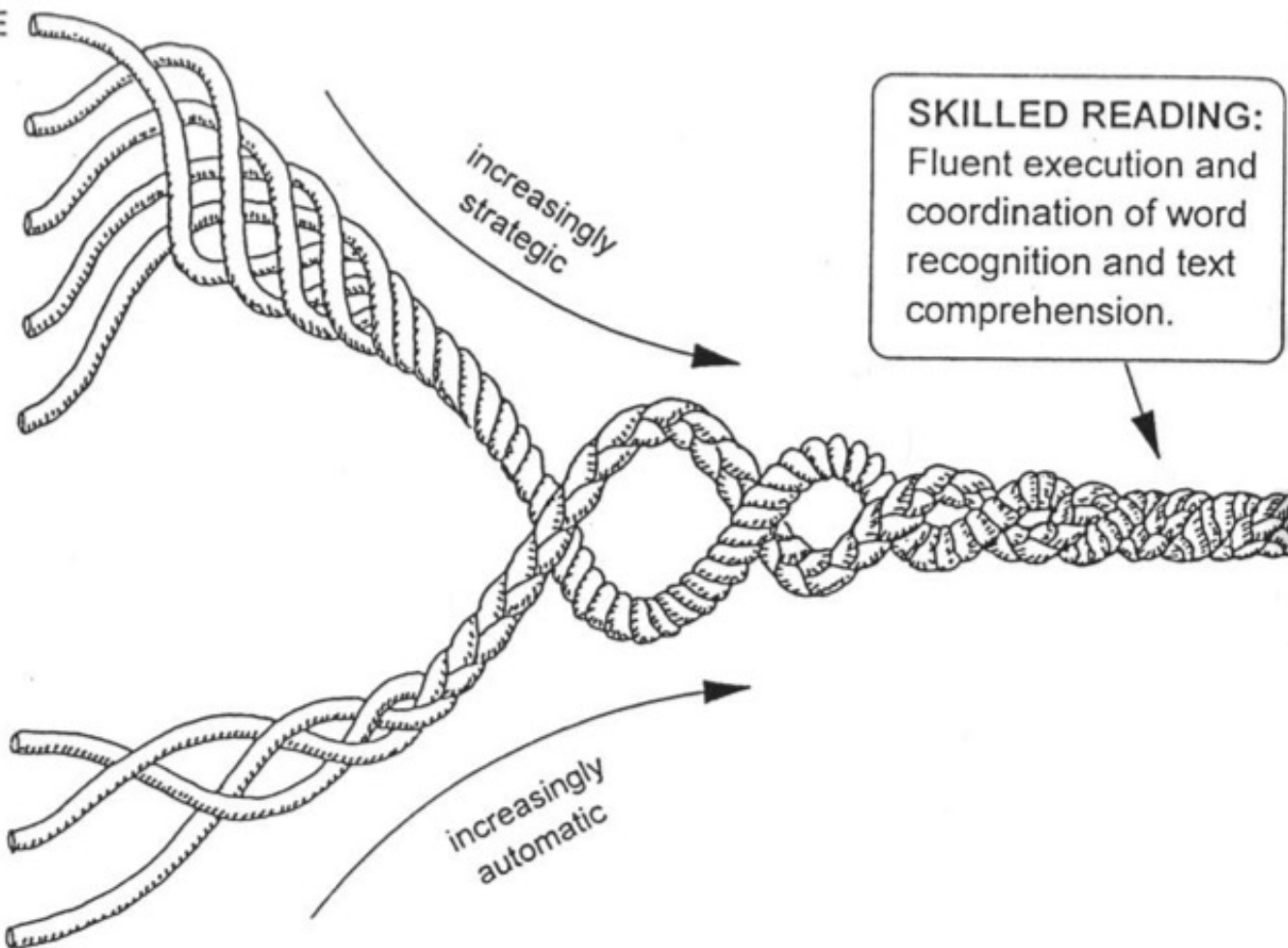
LITERACY KNOWLEDGE  
(print concepts, genres, etc.)

## WORD RECOGNITION

PHONOLOGICAL AWARENESS  
(syllables, phonemes, etc.)

DECODING (alphabetic principle,  
spelling-sound correspondences)

SIGHT RECOGNITION  
(of familiar words)



## Purposes of Assessment

Screening: Which of my students are not meeting grade level expectations given Universal Instruction? (e.g., Star Reading, CBM-R)

Diagnostic: What are the specific needs of students who struggle with reading or math? (e.g., measures of skills)

Monitoring Progress: What does the student's growth look like? (CBM)



# Assessment



Phonemic awareness      First Sound Fluency, Phoneme Segmentation Fluency



Decoding      Nonsense Word Fluency, Letter Sound Fluency



Fluency      CBM Reading Fluency

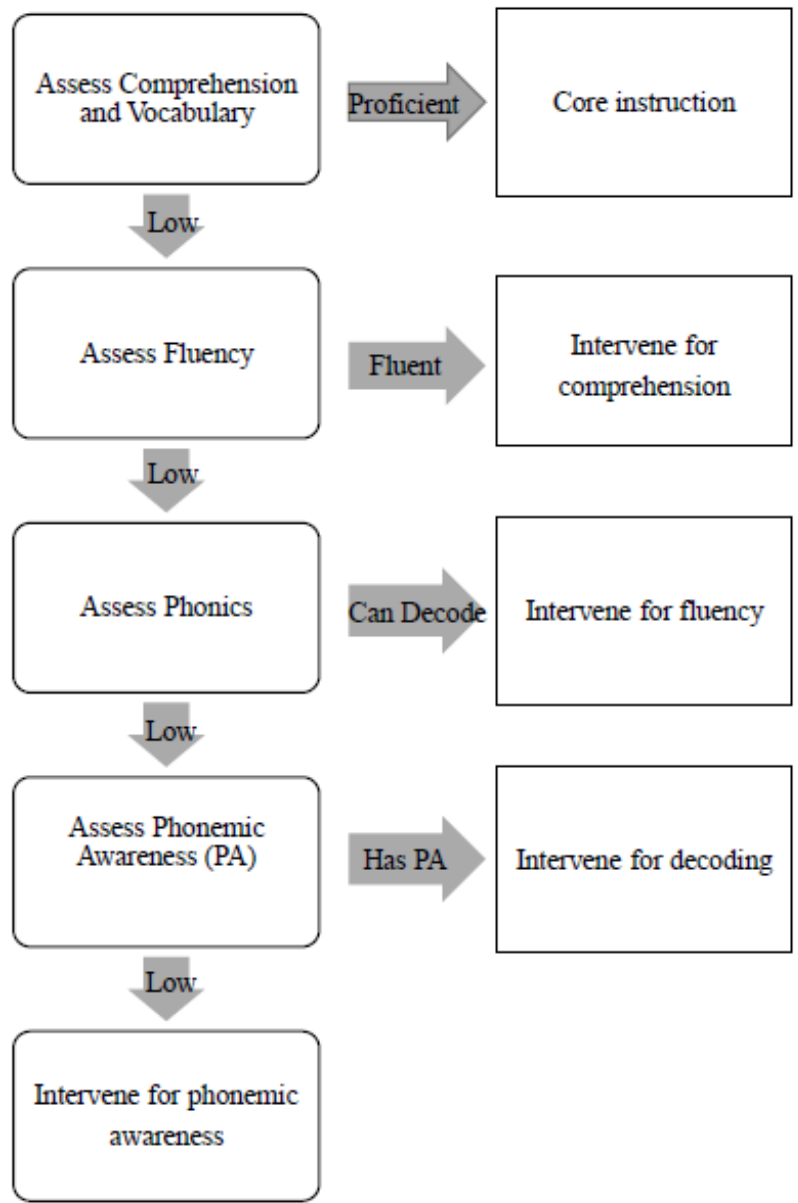


Comprehension      Maze and Retell



# Accuracy is Key!

- Less than 93% of words read correctly – not breaking the code





Student ID	MAP	CBM Fall	Errors	Accuracy %
611	183	88	4	95.7
604	196	138	0	100
609	204	126	2	98.4
622	204	101	2	98.1
608	206	132	2	98.5
619	208	140	0	100
612	209	137	0	100
602	210	113	3	97.4
603	210	135	3	97.8
615	210	122	9	93.1
620	210	137	0	100
606	211	75	9	89.3
613	211	158	2	98.8
618	211	85	10	89.5
621	214	125	4	96.9
623	215	122	5	96.1
605	219	145	1	99.3
607	220	128	3	97.7
610	221	214	0	100
616	222	133	1	99.3
617	224	158	0	100
601	225	209	1	99.5
624	227	172	0	100

Student Number 606

Low Comp (MAP)

Low Fluency (CBM-R)

Low Accuracy (89.3%)

**Decoding!**

Student ID	MAP	CBM Fall	Errors	Accuracy %
611	183	88	4	95.7
604	196	138	0	100
609	204	126	2	98.4
622	204	101	2	98.1
608	206	132	2	98.5
619	208	140	0	100
612	209	137	0	100
602	210	113	3	97.4
603	210	135	3	97.8
615	210	122	9	93.1
620	210	137	0	100
606	211	75	9	89.3
613	211	158	2	98.8
618	211	85	10	89.5
621	214	125	4	96.9
623	215	122	5	96.1
605	219	145	1	99.3
607	220	128	3	97.7
610	221	214	0	100
616	222	133	1	99.3
617	224	158	0	100
601	225	209	1	99.5
624	227	172	0	100

Student Number 620

Low Comp (MAP)

Low Fluency (CBM-R)

High Accuracy (100%)

**Fluency!**

Reflection break 5 – What focus does student 608 need? How about 618?



## What About Phonemic Awareness?

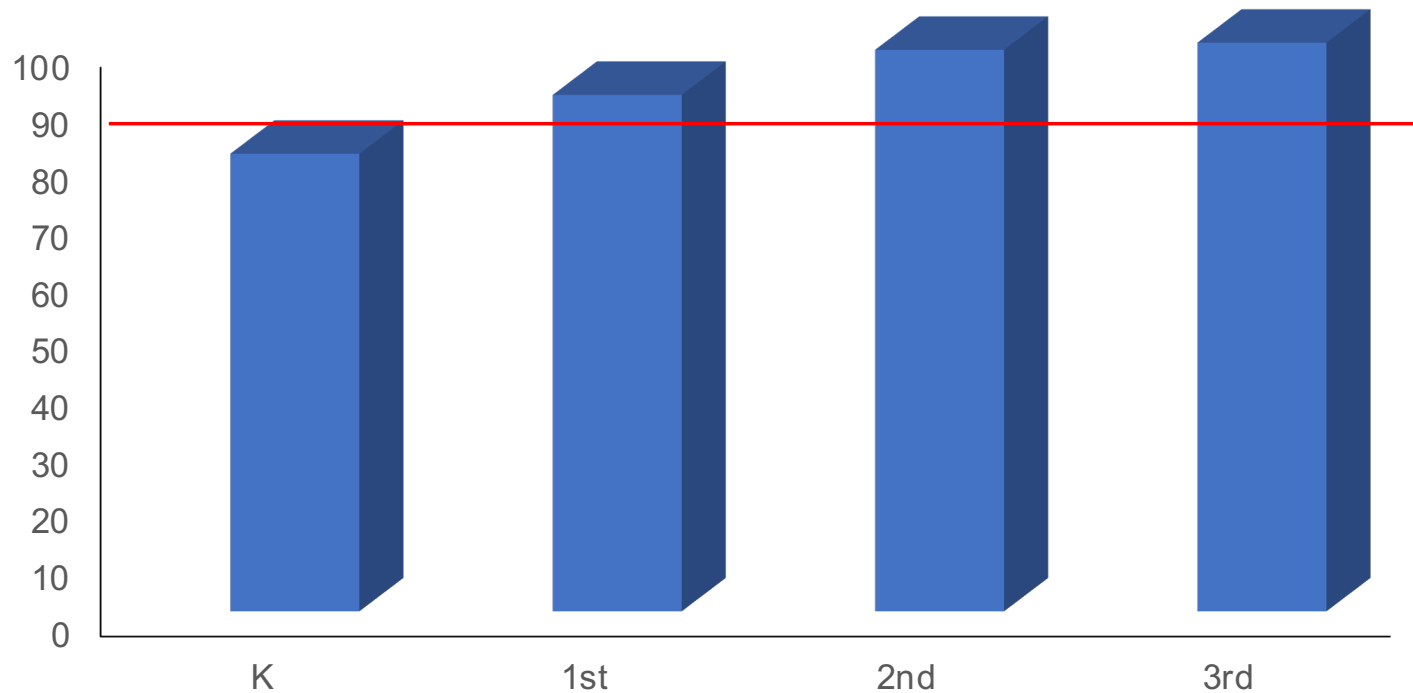
- Immediate Effect = 0.53
  - Follow up 0.45 to 0.23
- Number of Skills
  - One = 0.71
  - Two = 0.79
  - Three or More 0.27
- Letters
  - Includes = 0.67
  - Does not include = 0.38
- Grade
  - Preschool = 1.25
  - Kindergarten = 0.48
  - First = 0.49



# PA and Struggling Readers

- 123 struggling readers (as measured by Star-Reading)

Average CTOPP PA Composite Score by Grade

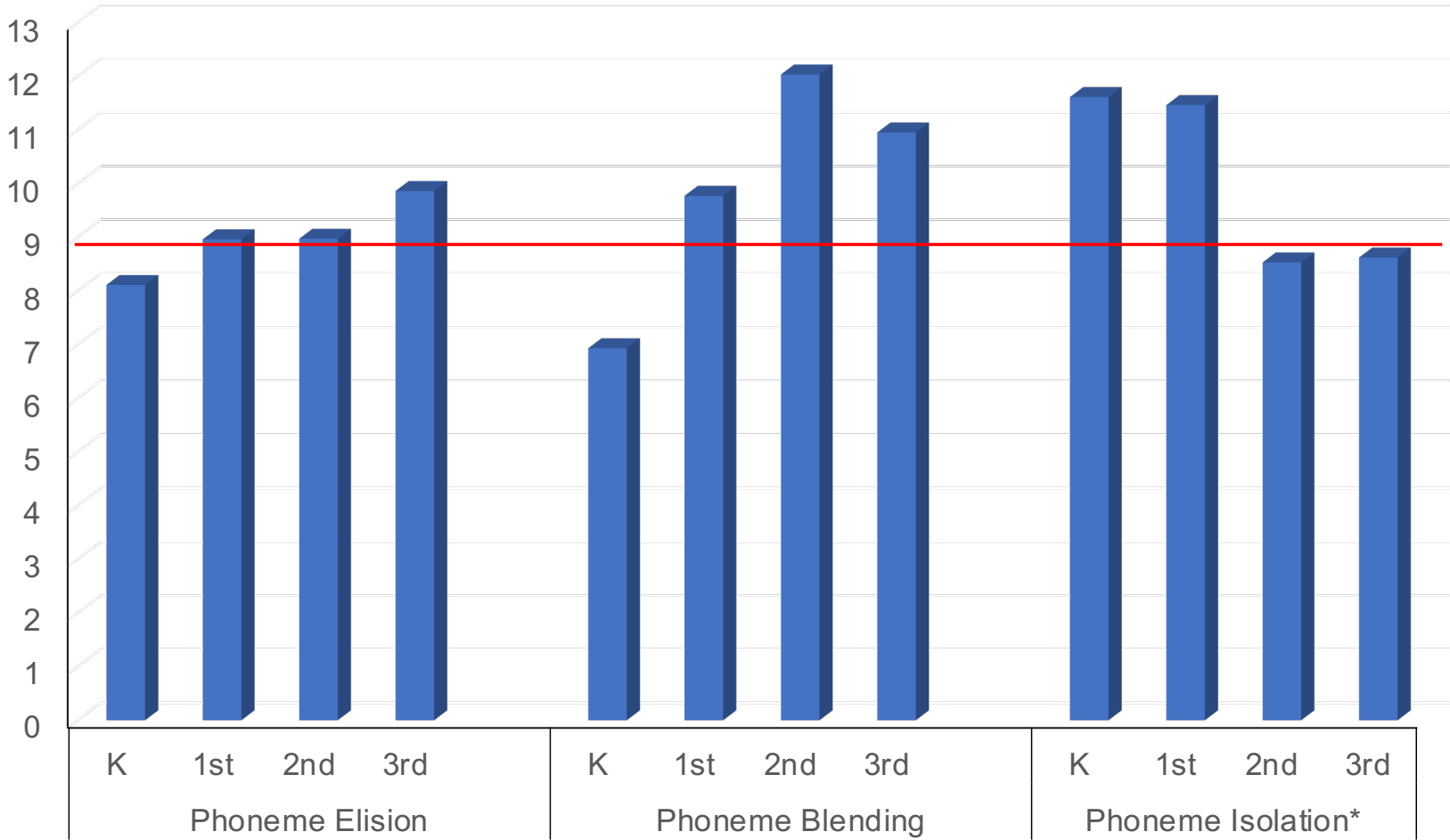


$F(3, 119) = 13.36, p < .001, \eta^2 = .25$

## Relationship Between DIBELS Composite and CTOPP Score

Grade	<i>N</i>	Correlation	Number of Students Low PA
Kindergarten	28	.35*	20 (70%)
First Grade	26	.19	10 (38%)
Second Grade	32	.27	7 (21%)
Third Grade	37	.02	5 (14%)

Average CTOPP PA Subtest Score by Grade



\* PI is Sound Matching for K and 1<sup>st</sup>.

Regression of Oral Reading Fluency on Phonemic Awareness (as Measured by Comprehensive Test of Phonological Processing Second Edition) and Reading Decoding (as Measured by Nonsense Word Fluency) with Decoding in Model 2 with Students in Second and Third Grades (n = 69).

Variable	<u>Model 1</u>				<u>Model 2</u>				<u>Model 3</u>			
	B	SE	Beta	T	B	SE	Beta	t	B	SE	Beta	t
Constant	-0.16	0.71		-0.23	-0.42	0.47		-0.89	-0.31	0.54		-0.57
Phoneme Blending	0.04	0.05	.11	0.85	0.01	0.03	.02	0.29	0.01	0.04	.03	0.36
Phoneme Isolation	-0.04	0.06	-.08	-0.67	0.04	0.04	.08	0.93	0.04	0.04	.08	0.99
Reading Decoding					0.77	0.08	.77	9.27	0.79	0.10	.78	8.33*
Phoneme Elision									-0.02	0.04	-.04	-0.47
R <sup>2</sup> = .02, Δ = .02, F = 0.51				R <sup>2</sup> = .58, Δ = .56, F = 85.85*				R <sup>2</sup> = .58, Δ < .01, F = 0.22				

\* $p < .05$





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## Analysis to Action

### Benchmark Data Worksheet 2<sup>nd</sup>-6<sup>th</sup> grade

Meeting Date: 1/12/14 Teacher Name: Ittner Assessment Analyzed: ORF Class Wide Median: 93.5/2

Determine Need:			Action Items:	
Is a Whole Class Intervention necessary? Yes <input type="radio"/> No <input checked="" type="radio"/>			<ul style="list-style-type: none"> <li>Determine appropriate Class Wide Intervention: _____</li> <li>Determine Start Date: _____</li> <li>Determine End Date: _____</li> <li>Schedule Fidelity Check: _____</li> <li>Progress Monitor Assessment _____</li> </ul>	
If yes, then...				
Which students fall within the at-risk range? Are there any students we missed?			Among students identified as needing a Tier 2 intervention, what is the category of the problem? (phonemic awareness, decoding, fluency, vocabulary, comprehension)	What intervention do you plan to use to address the problem?
Student Name:	WRC/Error	Accuracy		
1. Student A	34/6	85%	decoding	
2. Student B	41/5	89%	decoding	
3. Student C	44/4	92%	decoding	
4. Student D	58/4	94%	fluency	
5. Student E	67/2	97%	fluency	
6. Student F	78/3	96%	fluency	
7. Student G	83/4	95%	fluency	
8.				

Benchmark Criterion FALL: \_\_\_\_\_ WINTER: 91 SPRING: \_\_\_\_\_

## Repeated Readings

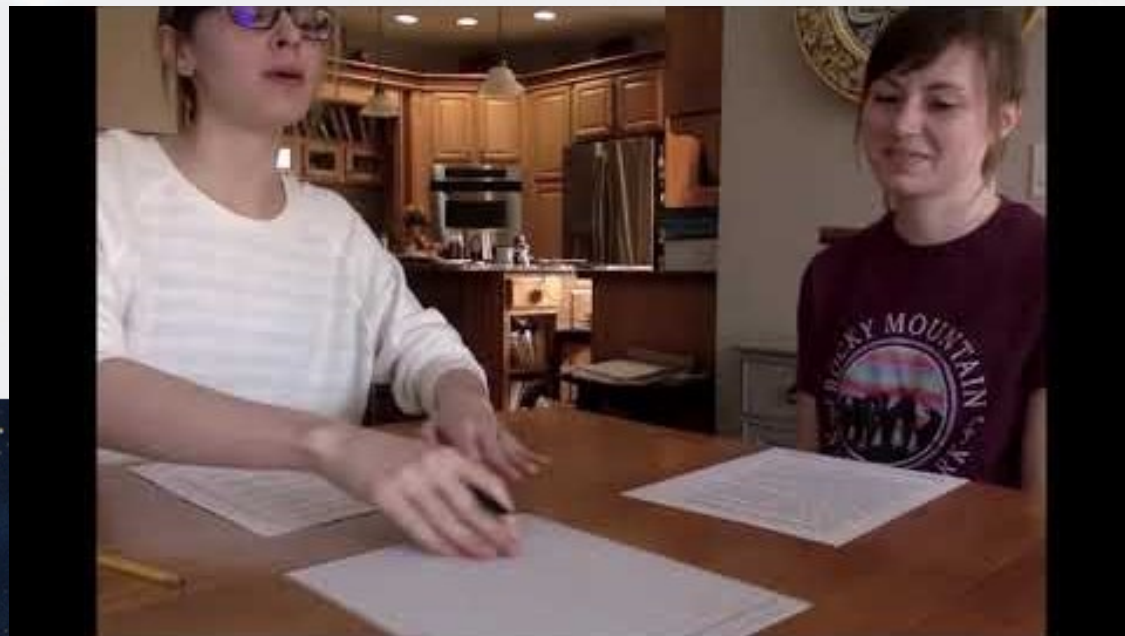
- One of the oldest and most well-researched interventions
- High OTR
- Generalizes to passage and similar ones

## Repeated Reading

Objective: To increase fluent reading on passages for students who

- read with high accuracy
- show benefit from repeated practice on the same passage

Materials: 2 copies each of texts that the student can read with at least 95% accuracy  
Stop-watch  
Pencil/pen for teacher to mark errors





### Sequence:

1. Teacher explains that students will be reading a passage multiple times to work on increasing fluency (fluency is rate and accuracy and expression – not just speed)
2. Teacher gives copies of passages to student
3. (Optional Step) Student whisper reads passage to him/herself while tracking with his/her finger to figure out unknown words. Students may ask about any unknown words.
4. Teacher explains that for the first reading out-loud, the student will read for 1 minute.
5. Teacher says “Begin” (not “Start”) and starts stop-watch.
6. Student reads passage out-loud.
7. Teacher marks errors and monitors stopwatch. At one minute, teacher says “Stop” and marks the last word read by the student.
8. Teacher records number of correct words per minute and graphs results, showing the graph to the student.
9. Teacher provides standard error correction for each word the student read in error. (“That word is \_\_\_\_\_. What word?” The student repeats the word. Teacher says, “Yes. That word is \_\_\_\_\_.” Student goes back to the beginning of the sentence to begin again.)
10. Repeat steps 5-9 at least two more times for a minimum of 3 timed readings (student reads, teacher times, words read correctly are recorded, and errors are corrected). Additional repetitions may be completed if student’s fluency continues to improve through these readings.



# Strategies

What was Taught	Materials	How it was Taught
<p>Reciprocal Teaching (Palinscar &amp; Brown, 1984)</p> <ul style="list-style-type: none"><li>• Activate Prior knowledge</li><li>• Predict</li><li>• Summarize</li><li>• Generate Questions</li><li>• Clarify</li></ul>	<p>4<sup>th</sup> grade passages and questions</p>	<p>Each individual strategy is taught by:</p> <p>Modeling</p> <p>Working with the student</p> <p>Having the student work independently</p>

## Fab Four Bookmark



### Predict

Use clues from the text or illustrations to predict what will happen next.

I think...because...

I'll bet...because...

I suppose...because...

I think I will learn...because...



### Question

Ask questions as you read. Some are answered in the book, and others are inferred.

I wonder....

Who? What? When? Where? Why? How?

Why do you think?



### Clarify

How can you figure out tricky or hard words and ideas?

I didn't get the [word, part, idea] so I:

- Reread
- Ask if it makes sense
- Read on
- Talk to a friend
- Sound words out



### Summarize

Using your *own* words, tell the main ideas from the text in order.

This text is about.... Next,....

This part is about.... Then,....

First,.... Finally,....

## Fab Four Bookmark



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Use clues from the text or illustrations to predict what will happen next.

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### Summarize

Using your *own* words, tell the main ideas from the text in order.

This text is about.... Next,....

This part is about.... Then,....

First,.... Finally,....

# Predict

1. Look at the main title
2. Scan the page to look at major headings
3. Look at any illustrations (e.g., maps, captions, tables)
4. Predict what the story is about
5. Write predictions down and read



## Summarize

1. Read the passage
2. Write one or two sentences that sum it up
3. Two common errors
  - Providing too much detail
  - Only referencing a section of the passage
4. Provide feedback with questions
  - Does your summary cover the *whole* story, or just a part of it?
  - If I asked you to tell me what the story was about using only 2 sentences, what would you say?”).



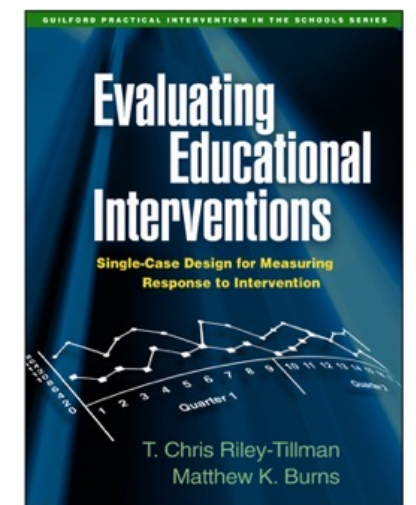
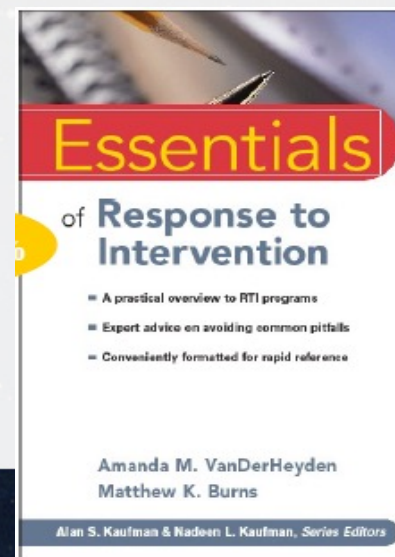
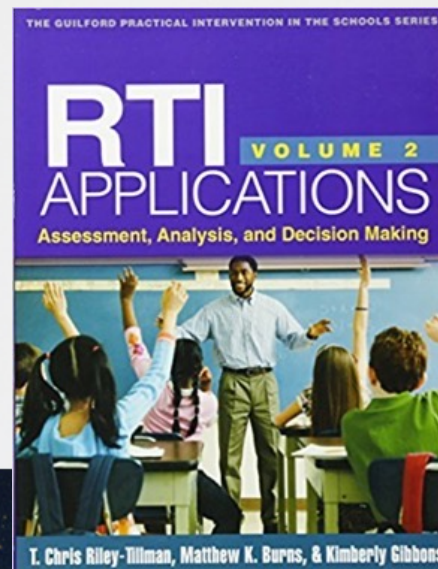
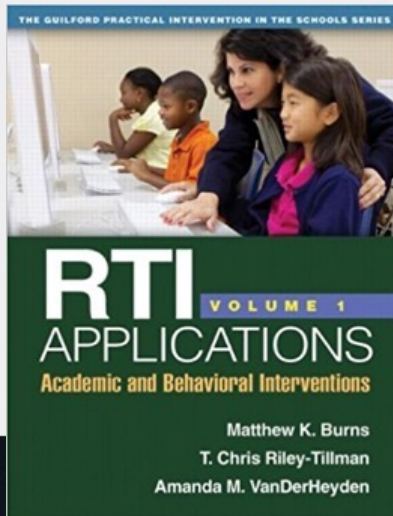
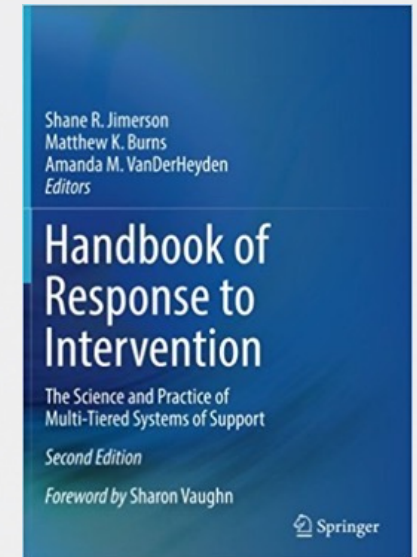
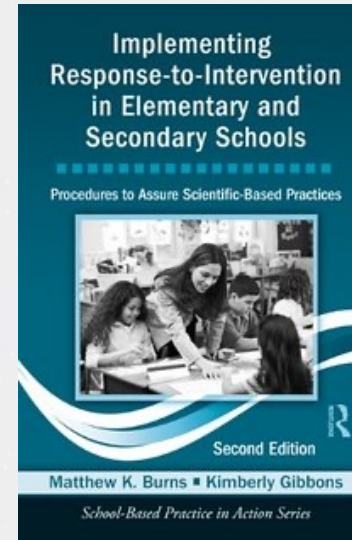
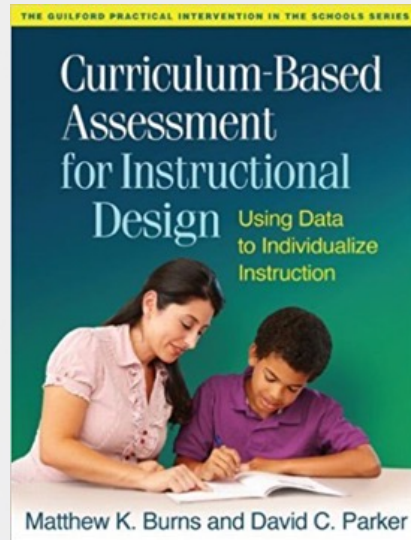
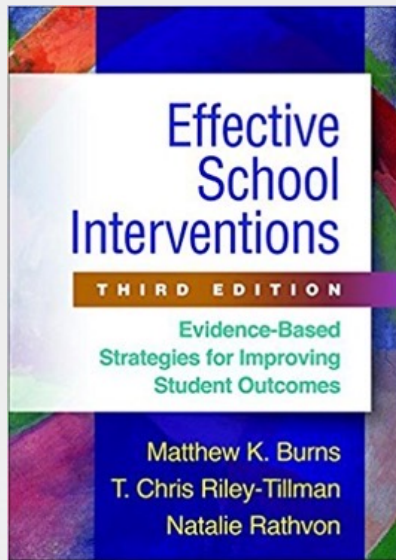
## Generate Questions

1. Create a list of main ideas
2. Write down a question that the main idea will answer.
  - “Who”, “What”, “Where”, “When”, “Why” and “How.”
3. Look at the summary you just wrote, does that answer your questions?

## Clarifying

1. Look for unknown words or unclear sentences
2. Use the surrounding text or a dictionary to figure out the meaning
3. Replace the word in the text and read the sentence aloud
4. Ask prompting questions (e.g., “Does that make sense to you?”)







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