

# MTSS: Increasing Achievement for ALL Students

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# Tale of Two Boys

	NWF Fall	NWF Winter	DORF Fall	DORF Winter
Bill	<b>27 (Tier 3)</b>		<b>9 (Tier 3) 56% accuracy</b>	
Ted	<b>35 (Tier 2)</b>		<b>24 (Tier 3) 86% accuracy</b>	



# Tale of Two Boys

	NWF Fall	NWF Winter	DORF Fall	DORF Winter
Bill	<b>27 (Tier 3)</b>	<b>(Tier 1)</b>	<b>9 (Tier 3)</b> <b>56%</b> <b>accuracy</b>	<b>73 (Tier 1)</b> <b>96%</b> <b>accuracy</b>
Ted	<b>35 (Tier 2)</b>	<b>(Tier 1)</b>	<b>24 (Tier 3)</b> <b>86%</b> <b>accuracy</b>	<b>74 (Tier 1)</b> <b>96%</b> <b>accuracy</b>





# Questions

- Is the Kansas MTSS process positively impacting reading achievement for Kansas students?
- How does the response of the Special Education population compare to that of all students?

# Method

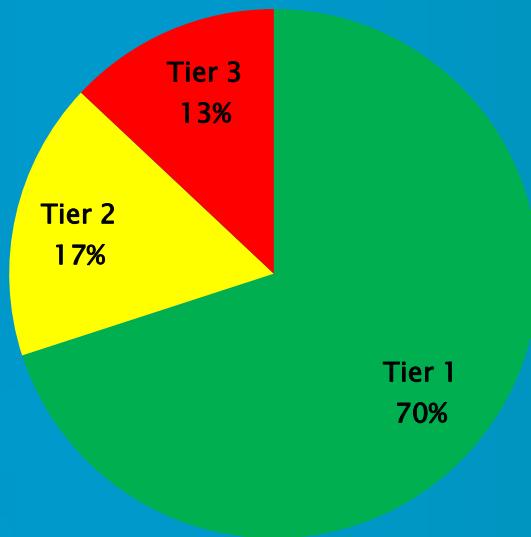
- 2,151 students
- Grades K-6
- 12-16 weeks of intervention
- Small to Mid-Size Kansas schools
- At least 1 year of Implementation without trainer support
- Randomly selected schools who volunteered their data
- Fall and Winter CBM Reading data
- Data based off most predictive indicator for time of year and grade level



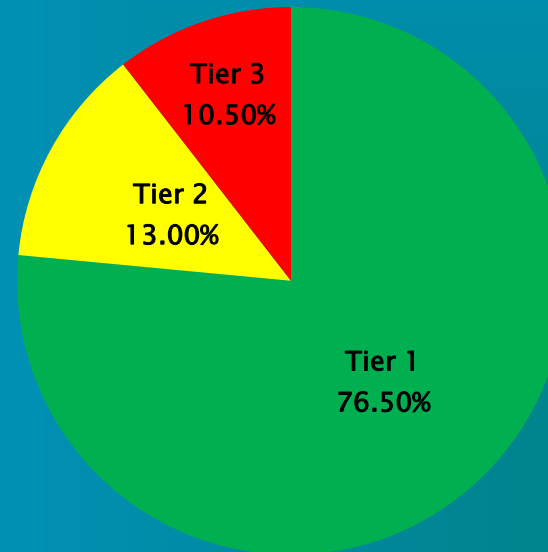
# Results

# All Students by Tiers

Fall All Students

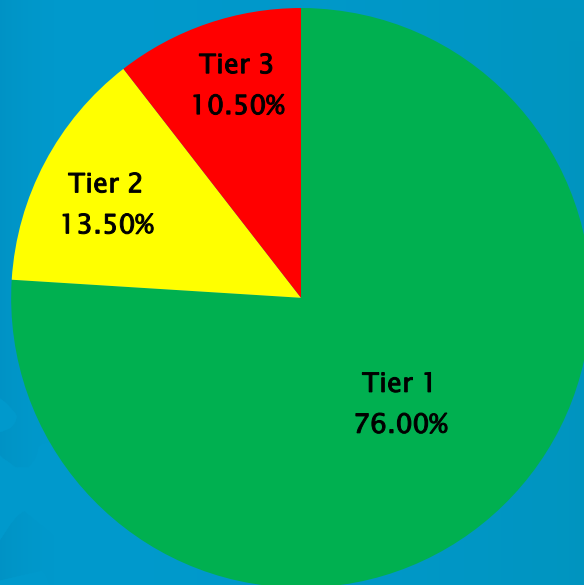


Winter All Students

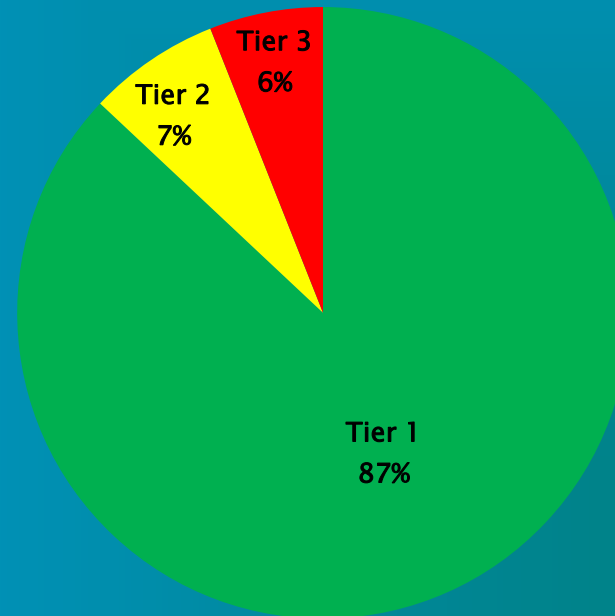


# Grade Level Data All Students

## Kdgn Fall Data



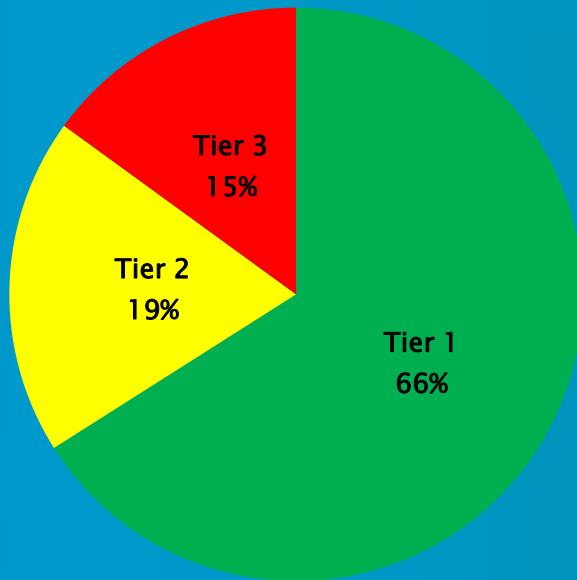
## Kdgn Winter Data



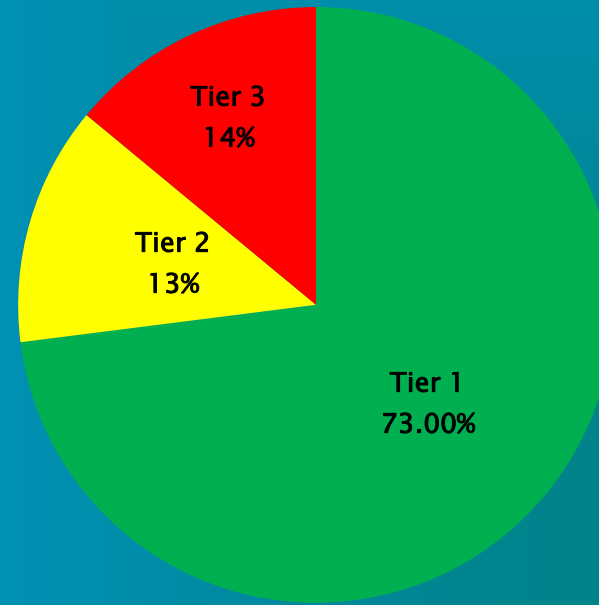


# Grade Level Data All Students

2nd Fall Data

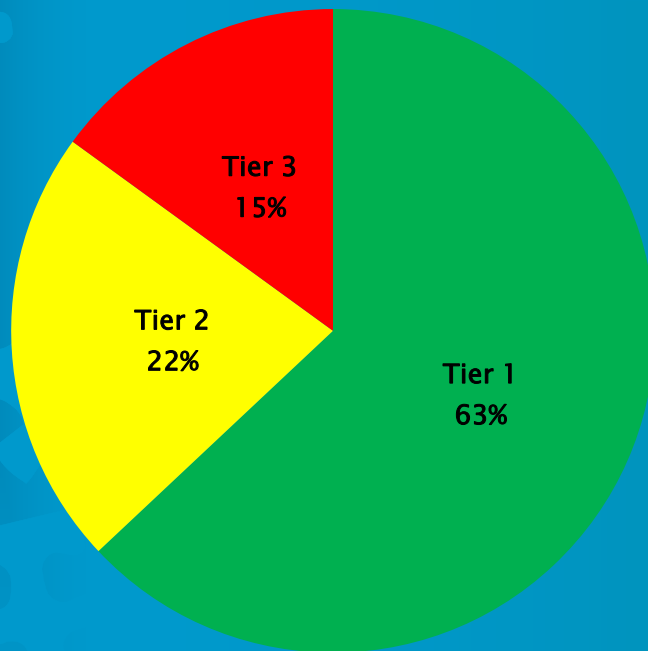


2nd Winter Data

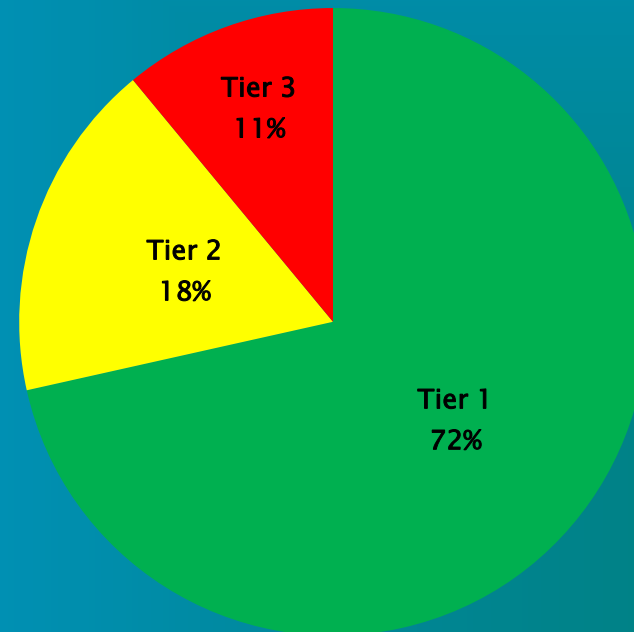


# Grade Level Data All Students

## 4th Fall Data

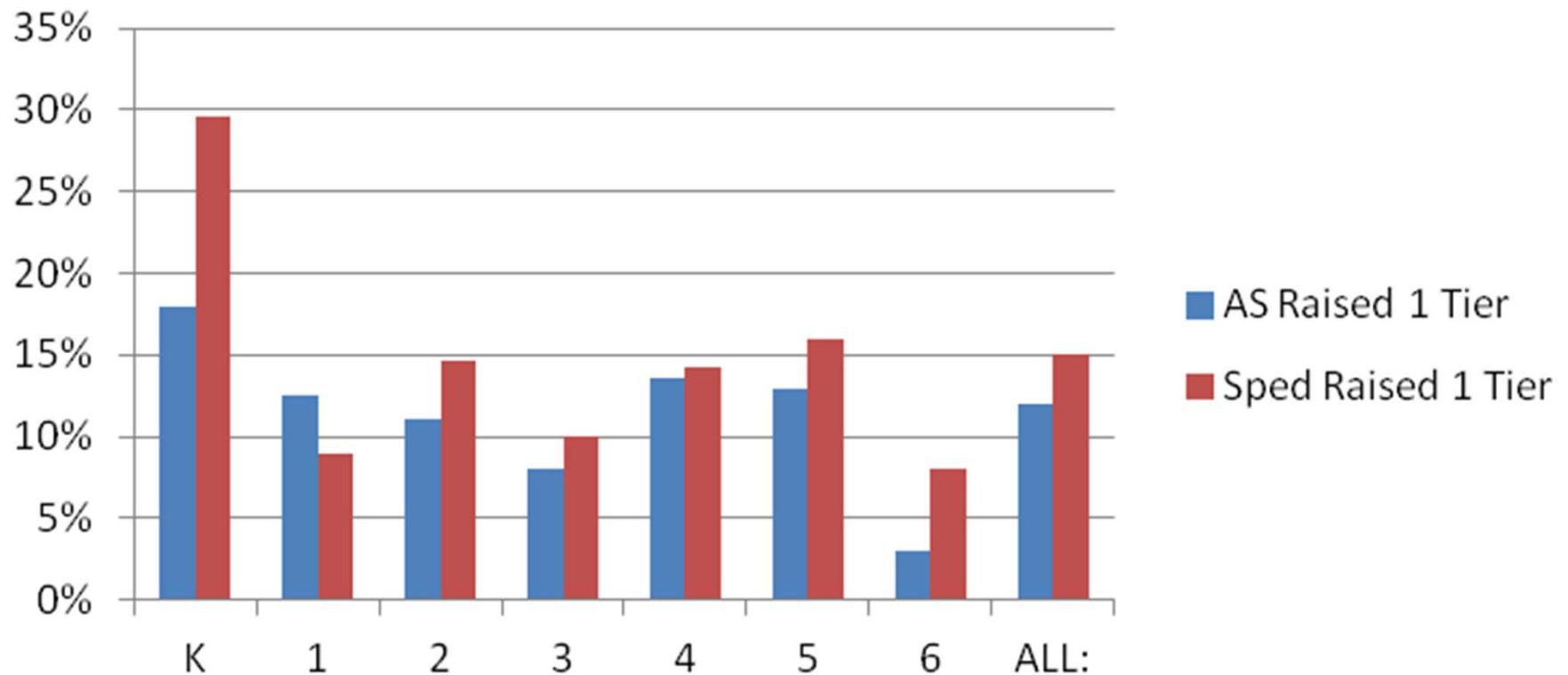


## 4th Winter Data



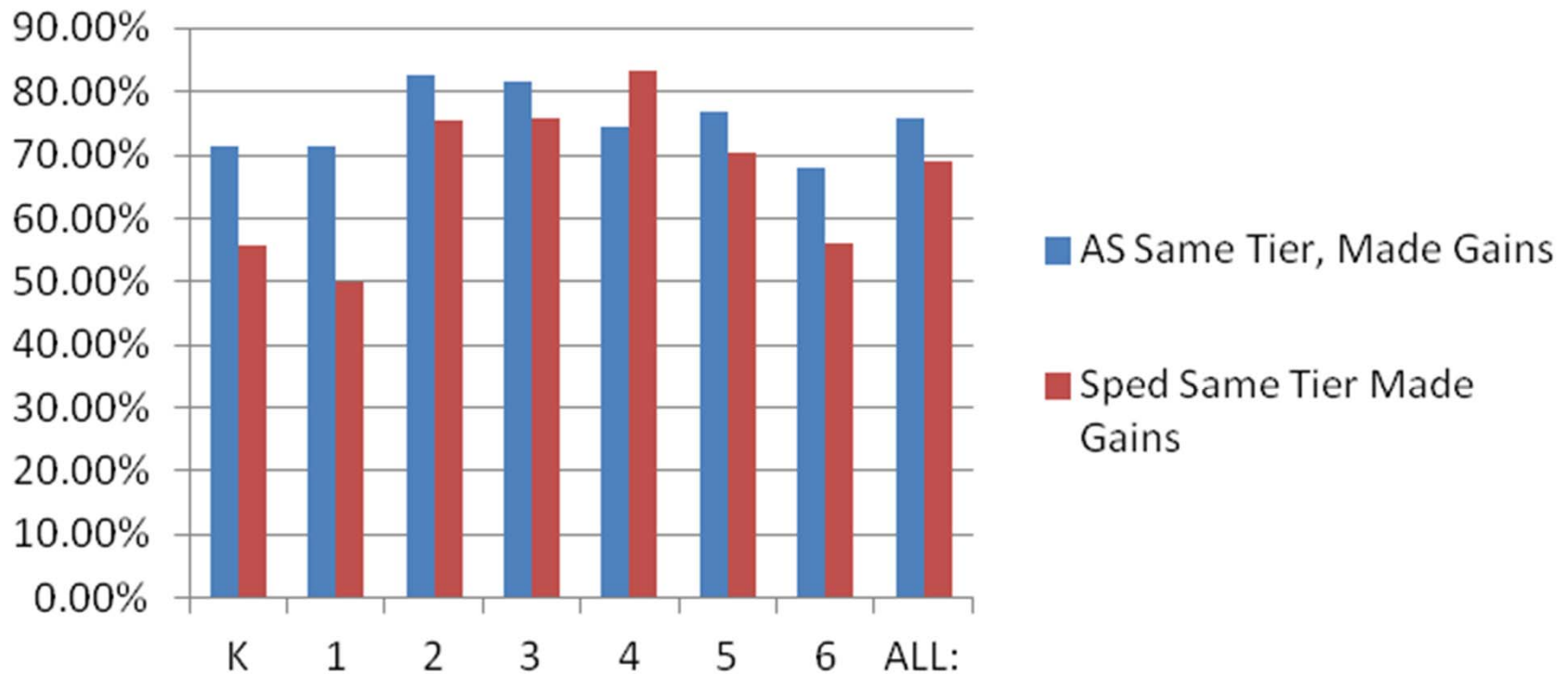
# Growth Rate Comparisons

## Comparison Data: Raised at Least 1 Tier



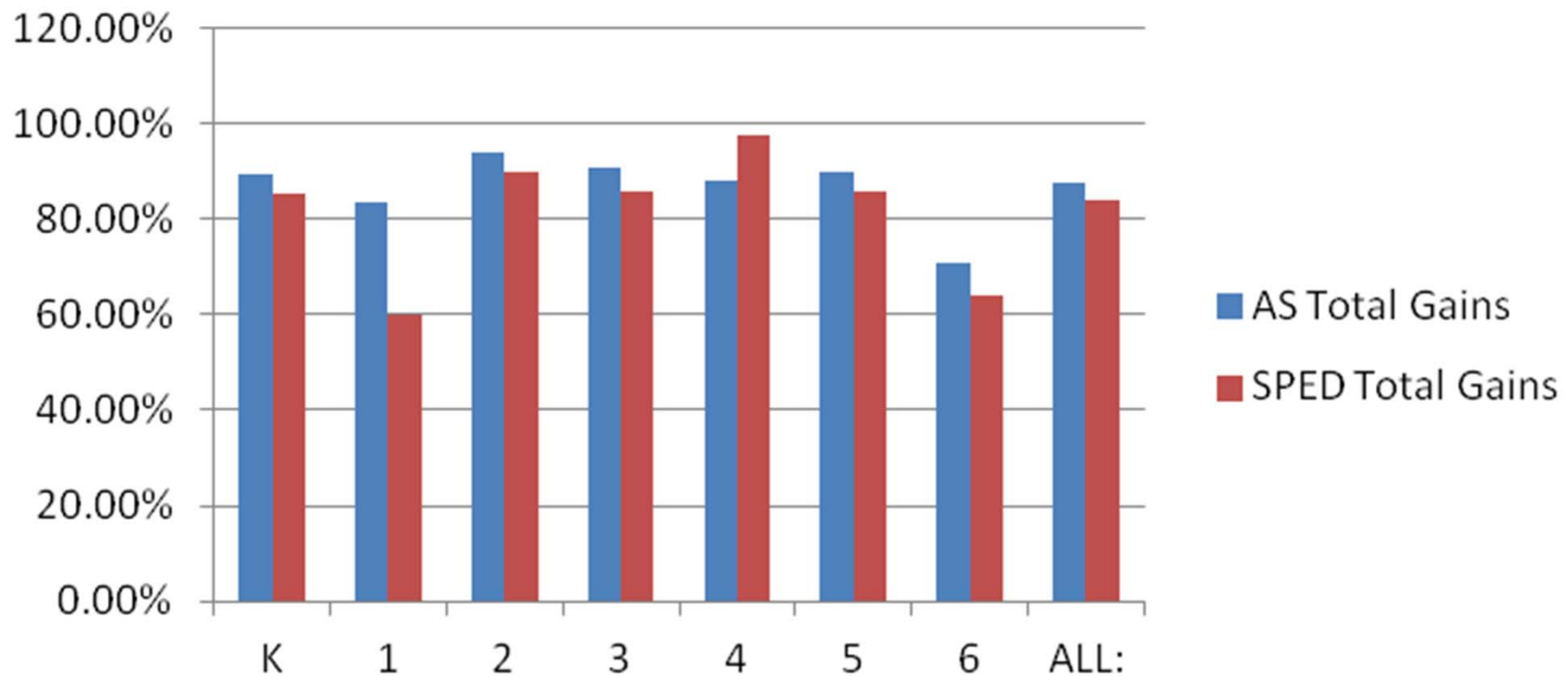
# Growth Rate Comparisons

## Comparison Data: Made Gains, Same Tier



# Growth Rate Comparisons

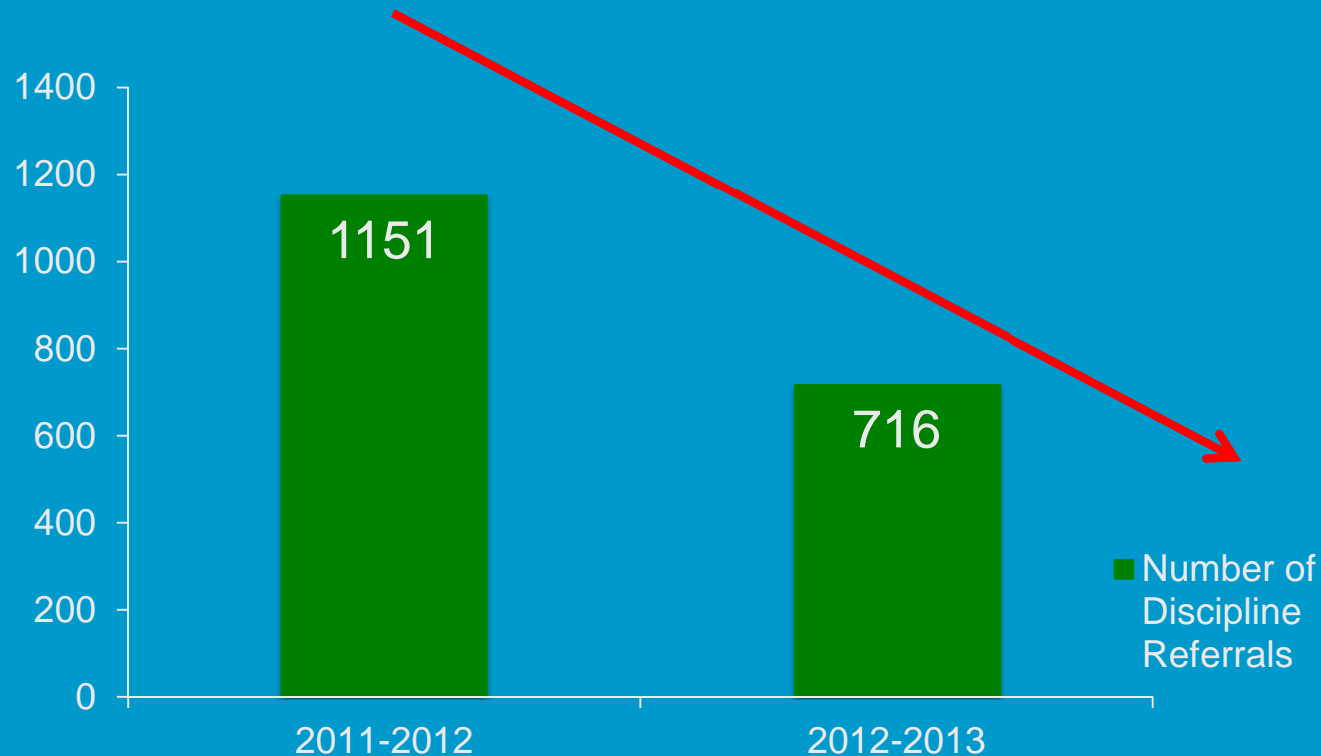
## Comparison: Total Students Making Gains



	Tier 1 Fall	Tier 1 Winter	AS Yellow or Red Increase1 + tier	SPED Yellow or Red Increase 1+ tier	AS Same Tier, Made Gains	SPED Same Tier, Made Gains	AS Making Gains in MTSS Process	SPED Making Gains in MTSS Process
K	76%	87%	18%	30%	71%	56%	90%	85%
1	74%	81%	13%	9%	71%	50%	84%	60%
2	66%	73%	11%	15%	83%	76%	94%	90%
3	75%	79%	8%	10%	82%	76%	91%	86%
4	63%	72%	14%	14%	75%	83%	88%	98%
5	61%	66%	13%	16%	77%	70%	90%	86%
6	78%	77%	3%	8%	68%	56%	71%	64%
Total:	70%	77%	12%	15%	76%	69%	88%	84%



# MTSS impacts K-12 student behavioral outcomes, including high school.



A decrease in discipline referrals from 1151 to 716 equates to **145 student hours** and **181 administrator hours recovered**.



# Does Your Data Look Like This?

Fitting Your MTSS Pieces Together  
for Student Success





# Critical Components of MTSS

- Evidence-based Curriculum
- High Quality Instruction
- Comprehensive Assessment System
- Data-Based Decision Making
- Fidelity of Implementation Efforts

# Curriculum

- Establish a Curriculum Protocol
  - Identifies what is used at each Tier for each instructional focus
  - Problem solving as a practice is used to match students to the appropriate intervention from the curriculum protocol


**Curriculum Protocol Example  
Grades PreK-5**

<b>CORE</b>	<ul style="list-style-type: none"> <li>Little Treasures (PreK)</li> <li>Treasures (1st-5<sup>th</sup> Grade)</li> </ul>				
<b>Differentiation of Core</b>	<ul style="list-style-type: none"> <li>Treasures Leveled Readers</li> <li>Triumphs</li> </ul>				
<b>Tier 2 ( Targeted Skills)</b>	<ul style="list-style-type: none"> <li>Interventions for All: Phonological Awareness-Zgonc</li> <li>Road to the Code</li> <li>Start Up</li> </ul>	<ul style="list-style-type: none"> <li>Phonics A-Z (Blevins)/Treasures Decodable Text/Florida Activities</li> <li>Phonics &amp; Word Study/Treasures Decodable Text/Florida Activities</li> <li>West Virginia Website: <a href="https://sites.google.com/a/wvde.k12.wv.us/reading-first-information/phonics-lessons/">https://sites.google.com/a/wvde.k12.wv.us/reading-first-information/phonics-lessons/</a></li> <li><a href="#">Build Up</a></li> <li><a href="#">Spiral Up</a></li> <li><a href="#">Rewards</a></li> <li><a href="#">Phonics Blitz</a></li> </ul>	<ul style="list-style-type: none"> <li>Six Minute Solution</li> <li>Read Naturally</li> </ul>	<ul style="list-style-type: none"> <li>Frayer Model</li> <li>Teaching Vocabulary Through Morphemes</li> </ul>	<ul style="list-style-type: none"> <li>Developing Metacognitive Skills/Six Way Paragraphs</li> <li>Teaching Students to Read Nonfiction (Blevins)</li> <li>Treasures Leveled Readers</li> <li>Additional instruction on Comprehension Strategies presented in the core</li> </ul>
<b>(Skills)  Tier 3  (Comprehensive)</b>	<ul style="list-style-type: none"> <li>Reading Readiness</li> </ul>	<ul style="list-style-type: none"> <li>Phonic Boost</li> <li>Corrective Reading (Decoding)</li> </ul>	<ul style="list-style-type: none"> <li>Six Minute Solution</li> </ul>	<ul style="list-style-type: none"> <li>Frayer Model</li> </ul>	<ul style="list-style-type: none"> <li>Corrective Reading (Comprehension)</li> </ul>
	Alphabetic Phonics, S.P.I.R.E				
	<b>Phonological Awareness</b>	<b>Phonics</b>	<b>Fluency</b>	<b>Vocabulary</b>	<b>Comprehension</b>



# High Quality Instruction

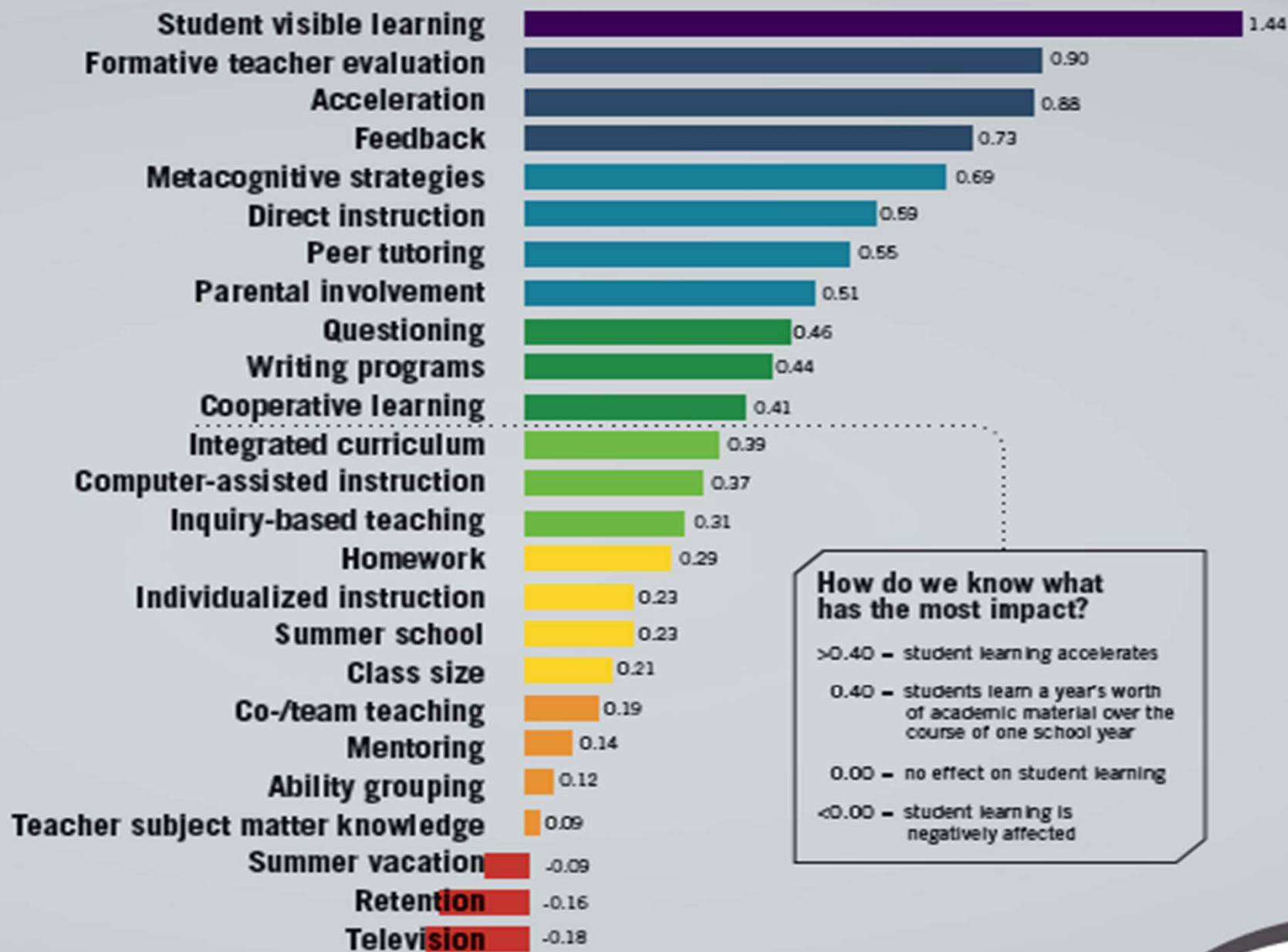
- Do you know high quality instruction when you see it?
- How do you know?
- How are instructional practices selected?



# Rank These Practices from Most to Least Effective.....

- Retention
- Ability grouping
- Direct Instruction
- ....

## What Works <sup>BEST</sup> in Raising Student Achievement?



# Assessment System

- Should have a comprehensive assessment system
  - 1) Universal Screening: CBMs for academics and measures of internalizing and externalizing behavior
  - 2) Progress Monitoring of Core
  - 3) Diagnostic Assessments
  - 4) Progress Monitoring of Interventions
  - 5) Outcome Assessments

# Comprehensive Assessment Plan

## Comprehensive Assessment Plan - Reading

Universal Screening Assessment				
Assessment Used	Grades	Decision Rules or Cut Points	Areas Assessed	Who is responsible for administration

Diagnostic Processes and Assessments				
Assessment Used	Which Students & Grades	Decision Rules	Areas Assessed	Who is responsible for administration

Progress Monitoring of Intervention				
	Which Students & Grades	Decision Rules	Areas Assessed	Who is responsible for administration

Progress Monitoring of Core Instruction			
Assessment Used	Which Students & Grades	Areas Assessed	Who is responsible for administration

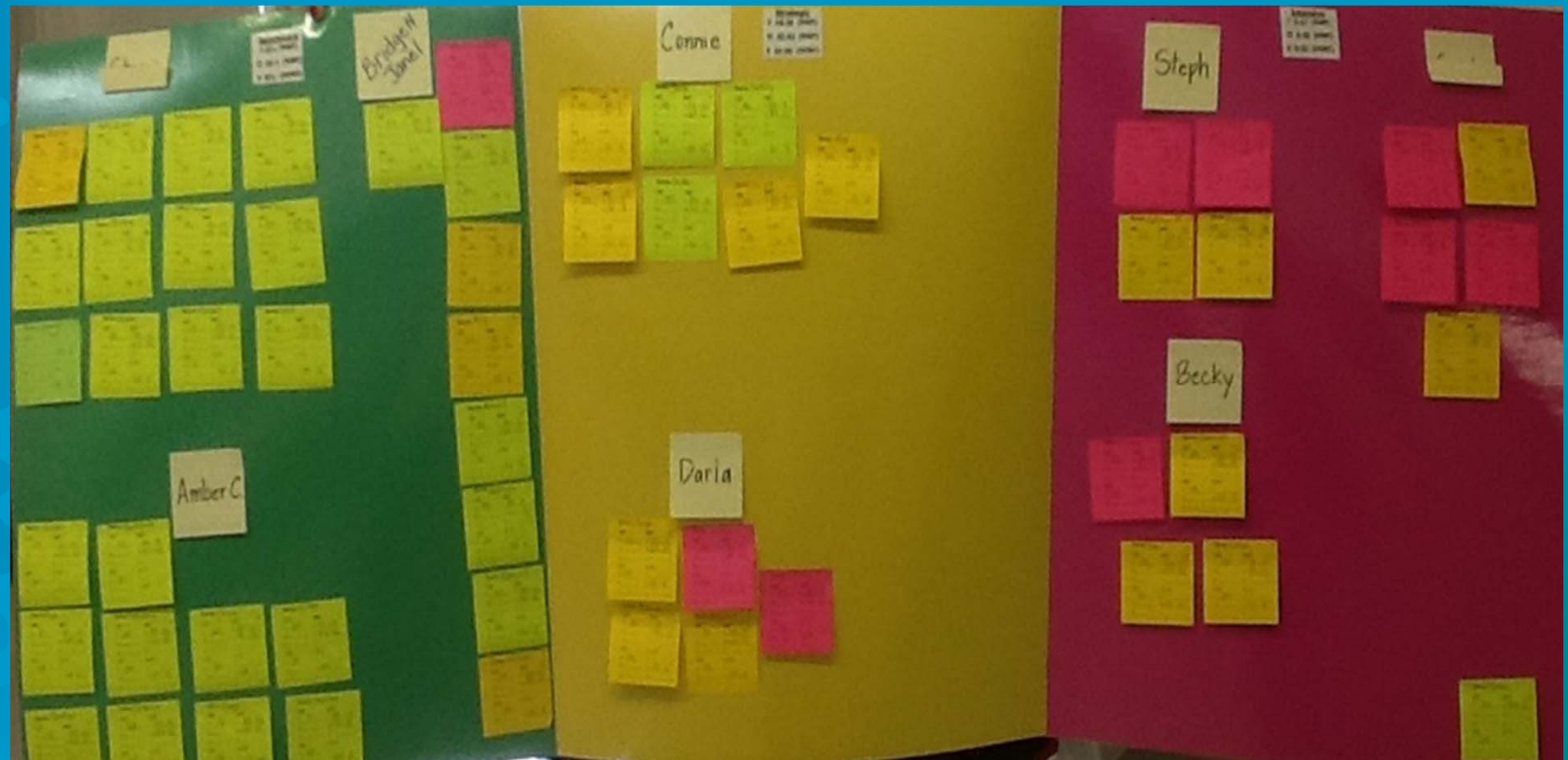




# Data-Based Decision Making

- Problem Solving as a practice throughout the system opposed to a title of a team or something done in isolation
- Collaborative Teams and Building Leadership Teams are meeting
- Problem solving is conducted at every level and moves to individual students, as needed

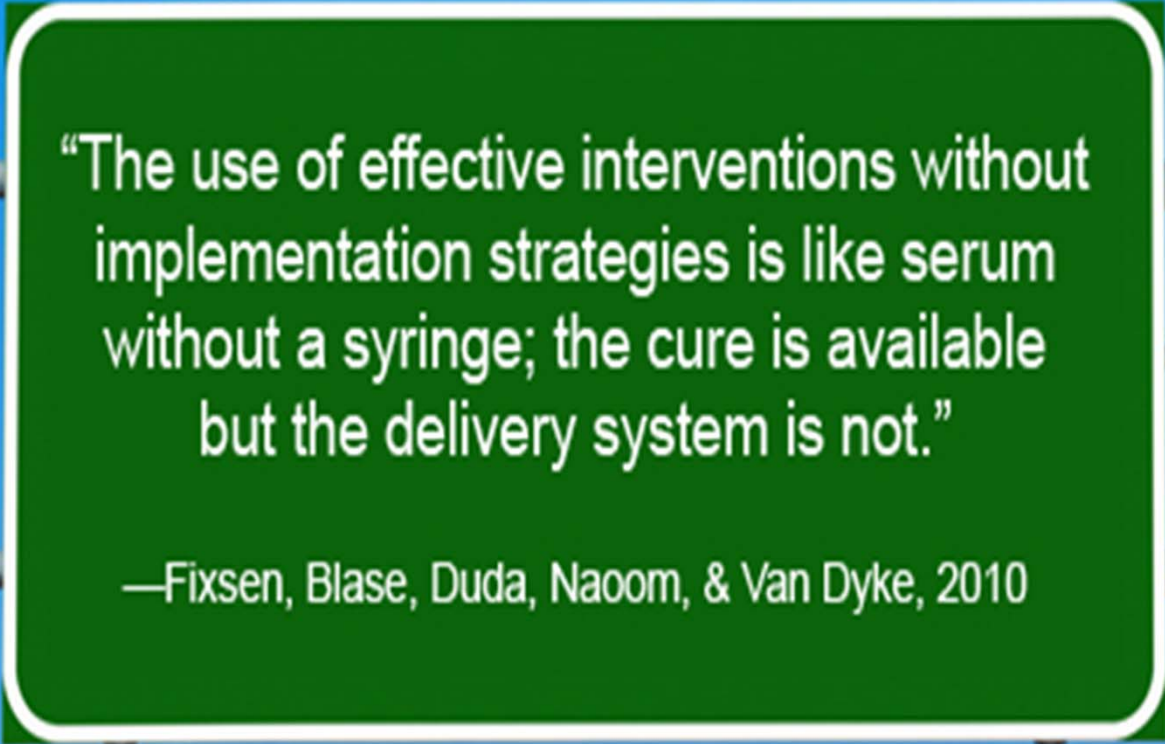
# Data-Based Decision Making





Fidelity of Implementation

Not another “F” word!



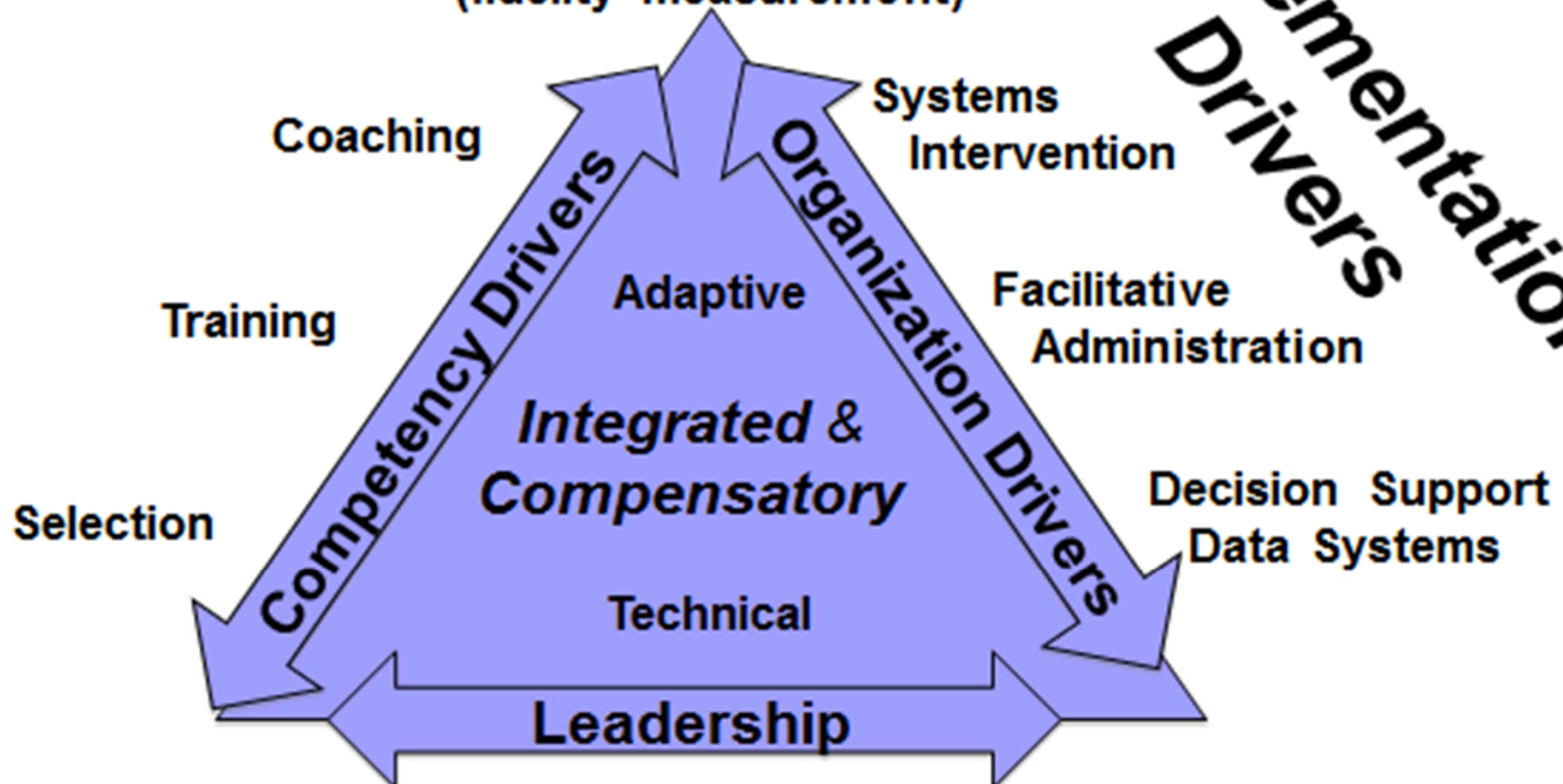
“The use of effective interventions without implementation strategies is like serum without a syringe; the cure is available but the delivery system is not.”

—Fixsen, Blase, Duda, Naoom, & Van Dyke, 2010



**Performance Assessment**  
(fidelity measurement)

**Implementation Drivers**



Graphics by Steve Goodman, 2009

© Fixsen & Blase, 2008





Further Support for Your School  
in This Process



# Refinement Training

- February 12, Smoky Hill, Salina
- March 12, Greenbush, Eudora
- April 1, Southwest Plains, Sublette



# How to navigate the website

Links to materials and resources

[www.kansasmtss.org](http://www.kansasmtss.org)



# Navigating Our Website

The screenshot shows a web browser window displaying the website <http://www.kansasmtss.org/>. The browser's address bar shows the URL, and the search bar contains the text "two little boys". The website's navigation menu includes "Home", "Overview", "FAQ", "Presentations", "Resources", and "Training". The "Resources" link is circled in red. The main content area features a large blue graphic with a circular logo containing the text "Professional Development", "Curriculum", "Assessment", "Empowering Culture", "Instruction", and "Leadership". Inside the logo is a triangle with the words "FEW", "SOME", and "ALL". To the right of the logo, the text reads "Kansas Multi-Tier System of Supports". Below this, there is a "Welcome To Kansas Multi-Tier System of Supports" section, a "Find us on Facebook" button, and a "2012 Kansas MTSS Symposium" section with links to "2012 Kansas MTSS Symposium Handouts" and "2012 Kansas MTSS Symposium Evaluation Summary". The bottom right corner of the browser window shows the time "2:17 PM" and the date "3/11/2013".

[www.kansasmtss.org](http://www.kansasmtss.org)

# Navigating Our Website

The screenshot shows a web browser window with the URL <http://www.kansasmtss.org/resources.htm>. The browser's address bar shows the URL, and the page title is "Kansas Multi-Tier System of...". The browser's menu bar includes "File", "Edit", "View", "Favorites", "Tools", and "Help". The search bar contains the text "two little boys".

The main content area of the website is organized into a table with columns for "Description" and "Date". The table lists various resources, including:

- Behavior**
- Math**
- Reading**
- Kansas MTSS Innovation Configuration Matrix (ICM)** [Version 3.1 Updated July 2012] - PDF, July 2012
- Kansas MTSS Research Base** - PDF, Nov 2009
- Kansas MTSS Training Descriptions** - PDF, Aug 2011
- Kansas MTSS Structuring Guides**
  - [Kansas MTSS: Structuring Guide Module 1](#) - PDF, June 2012
  - [Kansas MTSS: Structuring Module 2 Reading](#) - PDF, June 2012
  - [Kansas MTSS: Structuring Module 2 Math](#) - PDF, June 2012
  - [Kansas MTSS: Structuring Module 2 Behavior](#) - PDF, June 2012
  - [Kansas MTSS: Structuring Module 3](#) - PDF, June 2012
  - [Kansas MTSS: Decision Notebook Tools](#) - ZIP, June 2012
- Kansas MTSS Implementation Guides**
  - [Kansas MTSS: Building Leadership Team System Implementation Guide](#) - PDF, June 2012
  - [Kansas MTSS: Building Leadership Team Implementation Reading](#) - PDF, June 2012
  - [Kansas MTSS: Collaborative Team Workbook Reading](#) - PDF, June 2012
  - [Kansas MTSS: Preschool Reading Option 1](#) - PDF, Sept 2012
  - [Kansas MTSS: Preschool Reading Option 2](#) - PDF, Sept 2012
  - [Kansas MTSS: Building Leadership Team Implementation Math](#) - PDF, June 2012
  - [Kansas MTSS: Collaborative Team Workbook Math](#) - PDF, June 2012
  - \*\*Single Skill Math CBM Probes** - ZIP, June 2012
  - [Kansas MTSS: Implementation Behavior](#) - PDF, June 2012
- Kansas MTSS Briefs**

The browser's taskbar at the bottom shows the Windows Start button and several application icons, including Internet Explorer, File Explorer, and various utility programs. The system tray in the bottom right corner displays the time as 2:18 PM and the date as 3/11/2013.

# “Like” Us on Facebook

The screenshot shows a web browser window displaying the Facebook page for 'Kansas MTSS'. The browser's address bar shows the URL 'https://www.facebook.com/#!/TasnKansasMtss'. The page header includes the Facebook logo, a search bar, and the user 'Denise Dolloff Brown' logged in as 'Kansas MTSS'. The main content area features the Kansas MTSS profile picture, which is a circular logo with 'Instruction', 'Assessment', and 'Empowerment Culture' around a central triangle containing 'FEW SOME ALL'. Below the profile picture is the name 'Kansas MTSS' and '122 likes · 3 talking about this'. A description follows: 'Education This Facebook page is designed to keep teams up to date on resources and opportunities available to support your MTSS.' There are buttons for 'About', 'Photos', and 'Likes'. A 'Like' button shows '122' likes. Below this is a 'Highlights' section with '23 Friends Like Kansas MTSS' and a row of profile pictures. On the right side, there are sections for 'See Your Ad Here', 'Advertise Your Page', and a list of friends who liked the page, including Bekka Wedel Dolloff, Clark Brown Wozich, Deanna Dolloff, Diane Mann, Floyd Thompkins, Jillian Marsh, and Krista Reimer. The bottom of the browser window shows the Windows taskbar with various application icons and the system clock displaying '2:16 PM 3/11/2013'.

# TASN Project

The screenshot shows a web browser window displaying the TASN website. The browser's address bar shows the URL <http://www.ksdetasn.org/cms/>. The website features a blue header with the TASN logo (a sunflower) and the text "KANSAS TECHNICAL ASSISTANCE SYSTEM NETWORK". A navigation menu includes links for Home, About TASN, Request Assistance, Current Providers, Calendar, Conference Materials, and Contact Us. A search bar is located on the right side of the header. The main content area is divided into three columns. The left column, titled "Quick Links", lists various resources such as KSDE SES, Kansas Learning Network (KLN), IEP/Training/Coaching Resources, Kansas LETRS Training Information, Kansas Multi-Tier System of Supports (MTSS), SISEP/NIRN, Evaluation and Eligibility Resources, and Kansas Common Core Standards. The middle column, titled "Making connections to improve outcomes.", describes the Kansas' Technical Assistance System Network (TASN) and provides a "Request Assistance" button. The right column, titled "Upcoming Conferences", features a banner for the 2013 Winter Leadership Conference, scheduled for February 20, 2013, at the Hyatt Regency in Wichita, Kansas. The footer of the website includes the text "Upcoming Professional Development Opportunities" and "Professional Development Calendar". The browser's taskbar at the bottom shows various application icons and the system clock indicating 2:27 PM on 3/11/2013.

http://www.ksdetasn.org/cms/ CEC Presentation - Dropbox ksdetasn.org

File Edit View Favorites Tools Help

two little boys SEARCH

**TASN**  
KANSAS TECHNICAL ASSISTANCE SYSTEM NETWORK

Home About TASN Request Assistance Current Providers Calendar Conference Materials Contact Us

search...

**Quick Links**

- KSDE SES >
- Kansas Learning Network (KLN) >
- IEP/Training/Coaching Resources >
- Kansas LETRS Training Information >
- Kansas Multi-Tier System of Supports (MTSS) >
- SISEP/NIRN >
- Evaluation and Eligibility Resources >
- Kansas Common Core Standards >

**Making connections to improve outcomes.**

**Kansas' Technical Assistance System Network (TASN)**  
provides technical assistance to support school districts' systematic implementation of evidence-based practices.

**To request assistance, please click the button below and complete the form.**  
**You will be contacted within five business days.**

**Request Assistance**

**Upcoming Conferences**

**2013 Winter Leadership Conference**  
**TASN**  
A KSDE TASN Event  
February 20, 2013  
Hyatt Regency  
Wichita, Kansas  
Click for more information

**Upcoming Professional Development Opportunities**

**Professional Development Calendar**

2:27 PM  
3/11/2013



# Tale of Two Boys: A Call to Action



Think of where your school is with implementation of MTSS in relation to the critical components – what is your next step? What will you do next week to move your school forward?



# Contact Information

- Stephanie Stindt: [stephanie@kansasmtss.org](mailto:stephanie@kansasmtss.org)
- Denise Brown: [denise@kansasmtss.org](mailto:denise@kansasmtss.org)