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# **We Collect Data...**

# **Now What?**

— KSDE Annual Conference —  
October 16, 2018  
Kansas Learning Network

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# Who are we?

The Kansas Learning Network is dedicated to supporting schools in implementing Effective Practices resulting in successful outcomes for all learners.

Mary Myers  
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# WHY?

## KANSANS CAN

### Kansas State Board of Education Mission:

To prepare Kansas students for lifelong success through rigorous, quality academic instruction, career training, and character development according to each student's gifts and talents.

### Outcomes for Measuring Progress:

- Social/emotional growth measured locally
- Kindergarten readiness
- Individual Plan of Study focused on career interest
- High school graduation rates
- Postsecondary completion/attendance

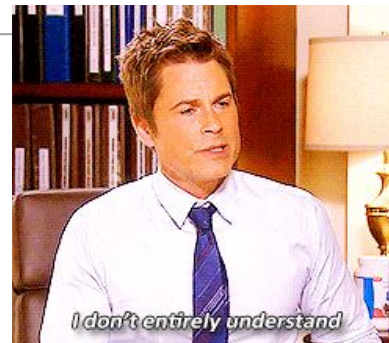


# The FACES of data...

Fear...



Misunderstanding...



Compliance...



Excitement...



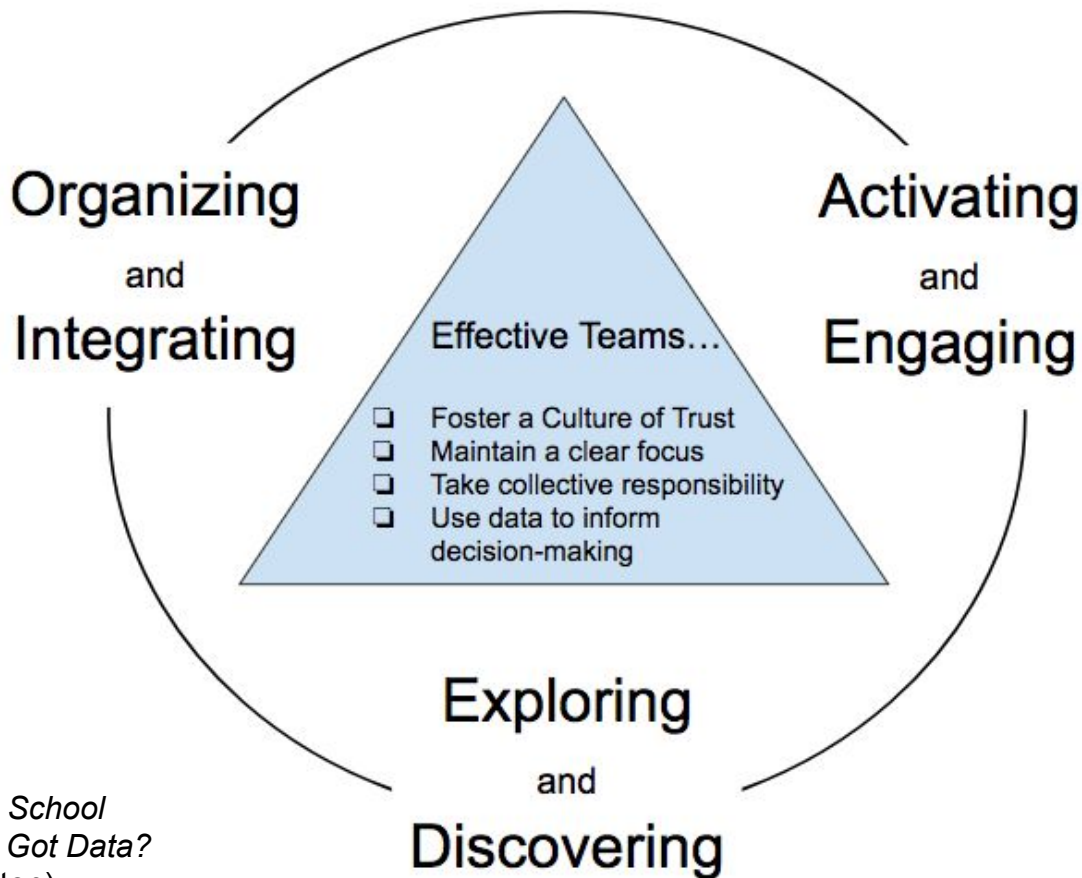
# INCLUSION

Of the 9,331 teachers/principals interviewed:

<b>50% to 75% of responses said either minor or major barrier</b>	<ul style="list-style-type: none"><li>• School staff-preparation for decision making</li><li>• Technical skill of school staff</li><li>• District Leadership support for data-informed decision making</li><li>• Sharing data across departments within a district</li><li>• Policies that provide direct access to data system</li></ul>	What might success look like/sound like without these barriers?
<b>More than 75% of responses said either minor or major barrier</b>	<ul style="list-style-type: none"><li>• Time for data-informed decision making activities</li></ul>	

# HOW

## Collaborative Cycle of Learning



Adapted from *The Adaptive School*  
(Garmston & Wellman) and *Got Data?*  
*Now What?* (Wellman & Lipton)

# Three Basic Ways of Framing an Issue

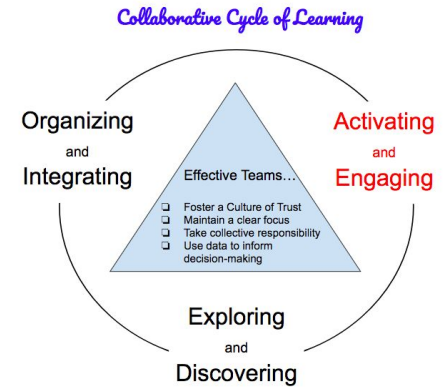
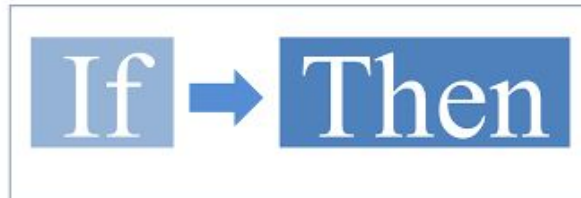
1. Constructing a Problem Statement



2. Craft an Inquiry



3. Create a Hypothesis

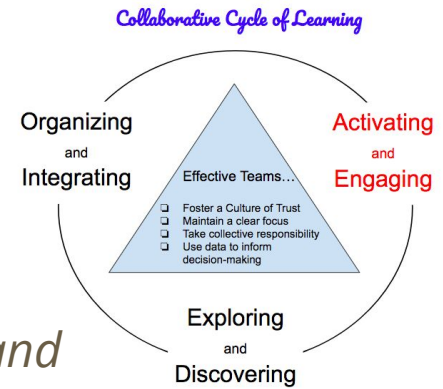


# Brief Background:

*Middle School (Grades 6-8) with a total population of 385 students. Our school is very diverse in regards to both race and socioeconomic status. We have a high number of migrant students as well as students who receive English Language Services. We also have an abnormally high level of teacher turnover each year.*

Crafting an Inquiry:

## How Might we Improve our Reading Scores?

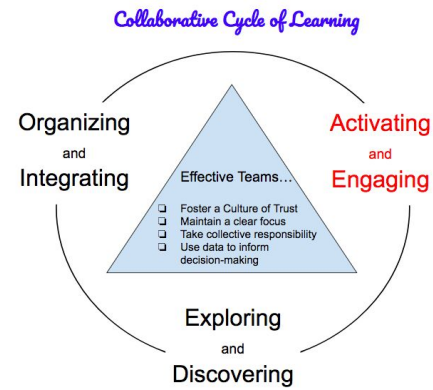




**Focus Inquiry:** How Might we Improve our Reading Scores?

**Data Sources:** Attendance, Reading Benchmark (Disaggregated),  
Classroom Walkthroughs, Standards-Based

# What are Some Opportunities for Learning this Data Presents to Us?



**Informational Altitudes**  
(Zoom In and Out)



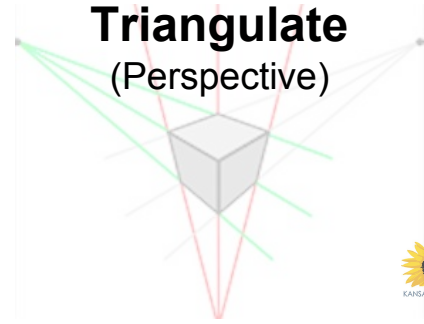
**Lead and Lag**  
(Prevention vs Reaction)



**Disaggregated**  
(Part of the Whole)



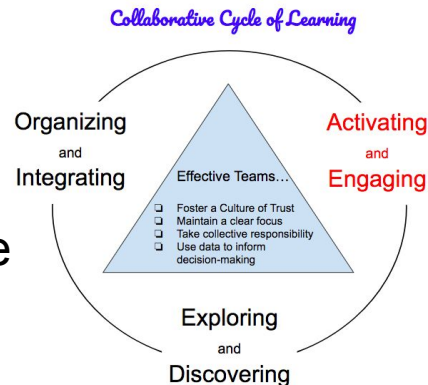
**Triangulate**  
(Perspective)



# PREDICTIONS

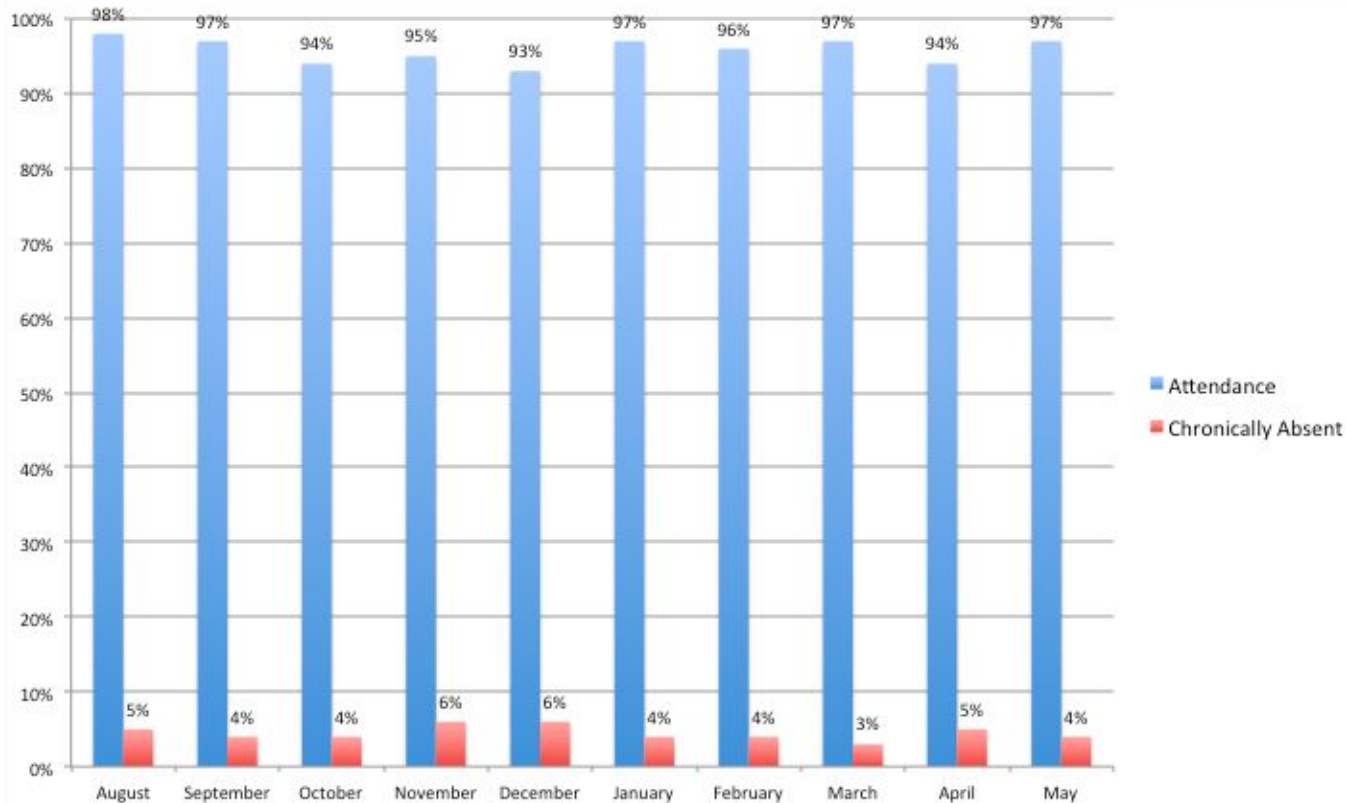


- Based on what you know, what do you predict the average **attendance** was per month? \_\_\_\_\_%
- What might you predict the percentage of **chronic absenteeism** to be each month? \_\_\_\_\_%



*What assumptions, values or beliefs might be influencing these predictions?*

## Attendance Data 2017-2018



### Collaborative Cycle of Learning

Organizing  
and  
Integrating

Activating  
and  
Engaging

Effective Teams...

- ☐ Foster a Culture of Trust
- ☐ Maintain a clear focus
- ☐ Take collective responsibility
- ☐ Use data to inform decision-making

Exploring  
and  
Discovering

*How does this  
data compare  
with your  
initial  
predictions?*

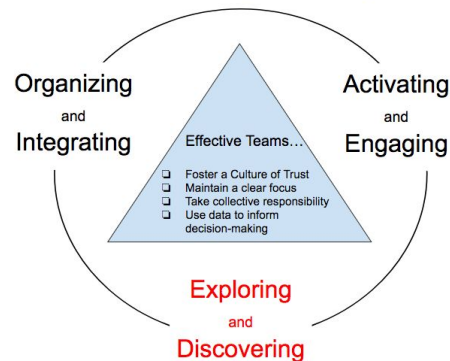
# Explore & Discover

Purpose: To Learn and Create a Common Understanding of the Information

Inquiry Focus: What are we learning about our reading scores, needs and practices?

- *What seems to be surprising or unexpected?*
- *What important points seem to pop out?*
- *What might be some patterns or trends?*

## Collaborative Cycle of Learning

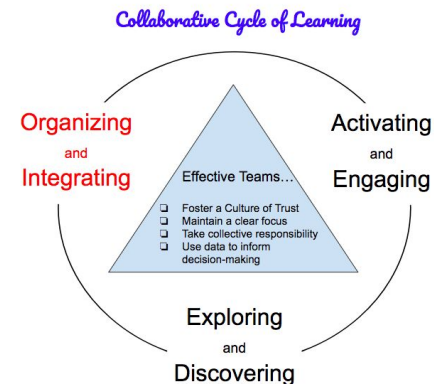


# Organizing and Integrating: Generating Theory

Purpose: Moving from analyzing to understanding the data.

Inquiry Focus: Why did we get these results?

What caused these outcomes?



# Organizing and Integrating: Generating Theory



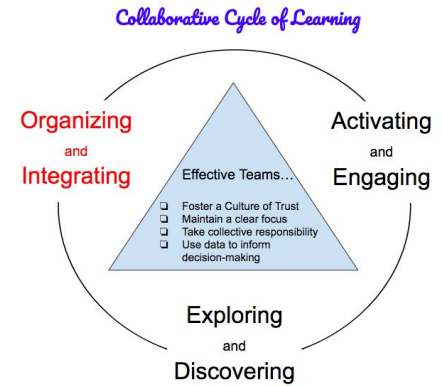
## Five Causal Categories

Curriculum	Instruction	Teachers	Students	Infrastructure
design implementation	methods materials resources	knowledge skills dispositions	knowledge skills dispositions	schedules programming resources

# Organizing and Integrating: Generating Theory

## Action

“Effective plans include clear outcomes, measurable criteria for success, the necessary action steps, and data-driven monitoring system for determining short - and long-term goal achievement”.



Got Data, Now What?

# Next Steps

What might be some short and long term goals as you consider moving forward?

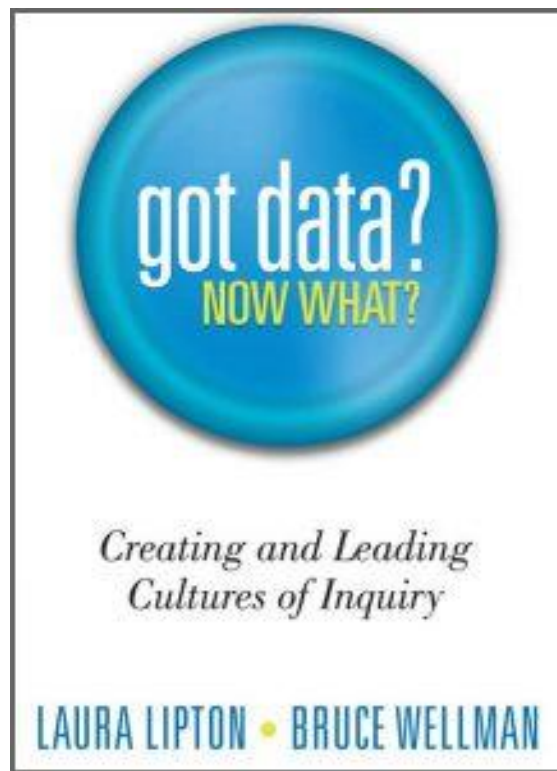
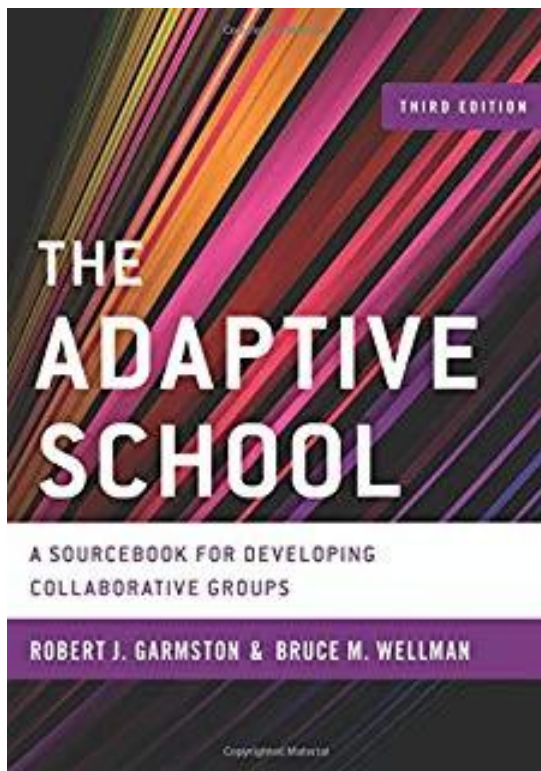
What might you need more information about?



# Closure

How has your thinking changed since we first started  
our time together?

# Resources



# Contact Us

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