We Collect Data...
Now What?

KSDE Annual Conference
October 16, 2018
Kansas Learning Network
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... I sense much fear in you.

Misunderstanding... I don't entirely understand.

Compliance... DO IT. JUST DO IT.

Excitement...
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)

Disaggregated
(Part of the Whole)

Lead and Lag
(Prevention vs Reaction)

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?
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?
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

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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
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