Group Data Exploration

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Purpose

The purpose of this session is to model collaborative inquiry for facilitating a group data exploration about cultural issues throughout MNPS.

Essential Question

How can we unleash the power of data to foster a positive and purposeful learning culture throughout MNPS?

Visual Synectics

The last data meeting I participated in was like……

Because……

Data have **no meaning**.

Meaning is **imposed** through **interpretation**

(Wellman & Lipton, 2004, pp. ix-xi).

How do we bridge the gap between data and results?

Love, 2009

Collaborative Inquiry

Collaborative Inquiry is stakeholders **working together** to uncover and **understand problems** and to **test out solutions together** through rigorous **use of data and reflective dialogue.**

Assumption: This process **unleashes the resourcefulness** of stakeholders to **continuously improve learning**.

Adapted from N. Love, K.E. Stiles, S. Mundy, and K.DiRanna, 2008

MNPS Collaborative Inquiry

Collaborative Inquiry is a **data-based team** process that consciously uses the **collaborative learning cycle** (activating and engaging, exploring and discovering, and organizing and integrating) and the **qualities of effective groups** (fostering a culture of trust, maintaining a clear focus, taking collective responsibility and data-informed decision-making).

Haynes Middle Design Center
Middle Preps of Nashville

Margaret Allen Middle
Middle Preps of Nashville

Two Rivers Middle
Middle Preps of Nashville

West End Middle
Middle Preps of Nashville

Wright Middle
Middle Preps of Nashville

Apollo Middle
Middle Preps of Nashville

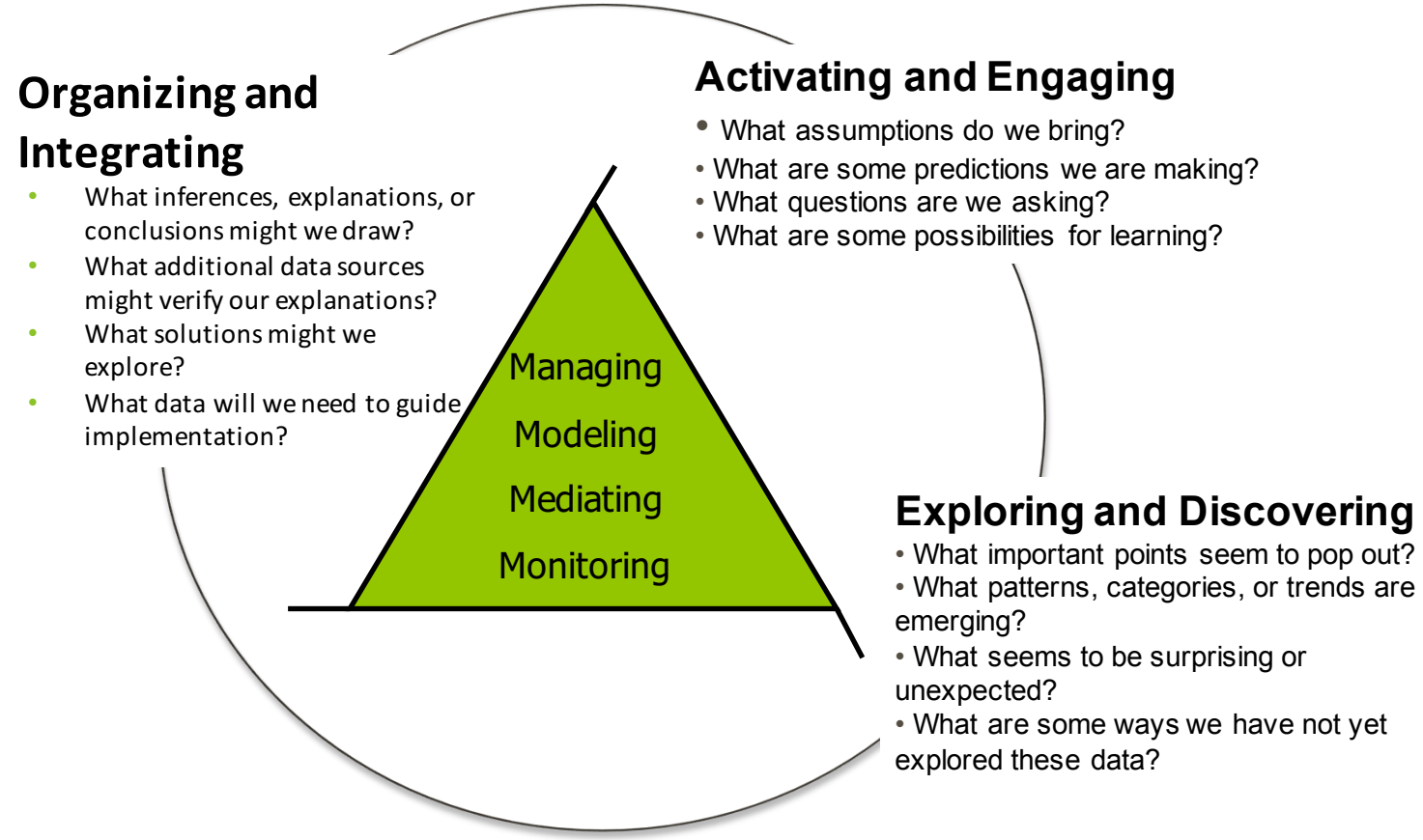
Croft Middle Design Center
Middle Preps of Nashville

Jere Baxter Middle
Middle Preps of Nashville

Neely's Bend Middle
Middle Preps of Nashville

MNPS Collaborative Inquiry Community of Practice

Collaborative Learning Cycle



--Lipton, L. & Wellman, B. (2012). *Got data? Now what?* Bloomington, IN: Solution Tree, Inc.

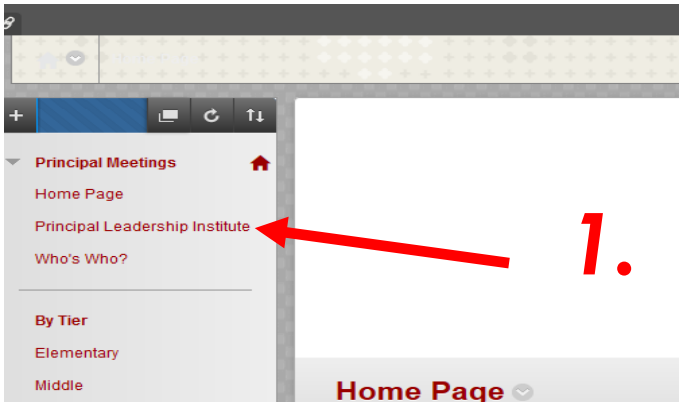
Activating and Engaging

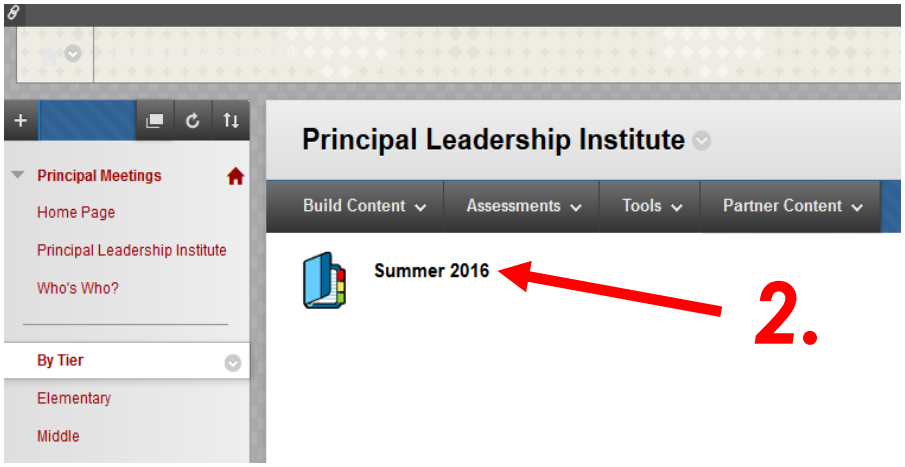
- The pair selects a student.
- Individually, write down 2-3 bulleted observations about the selected student.
- Share in the pair.

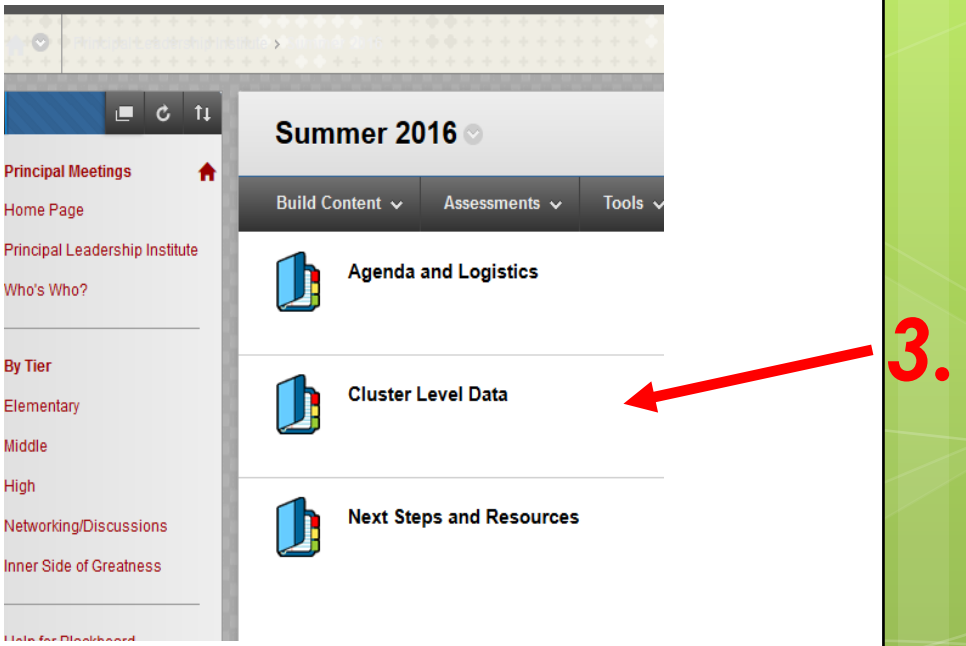
Exploring and Discovering

- Employee Retention Data
- TELL Survey Data
- Employee Attendance Data

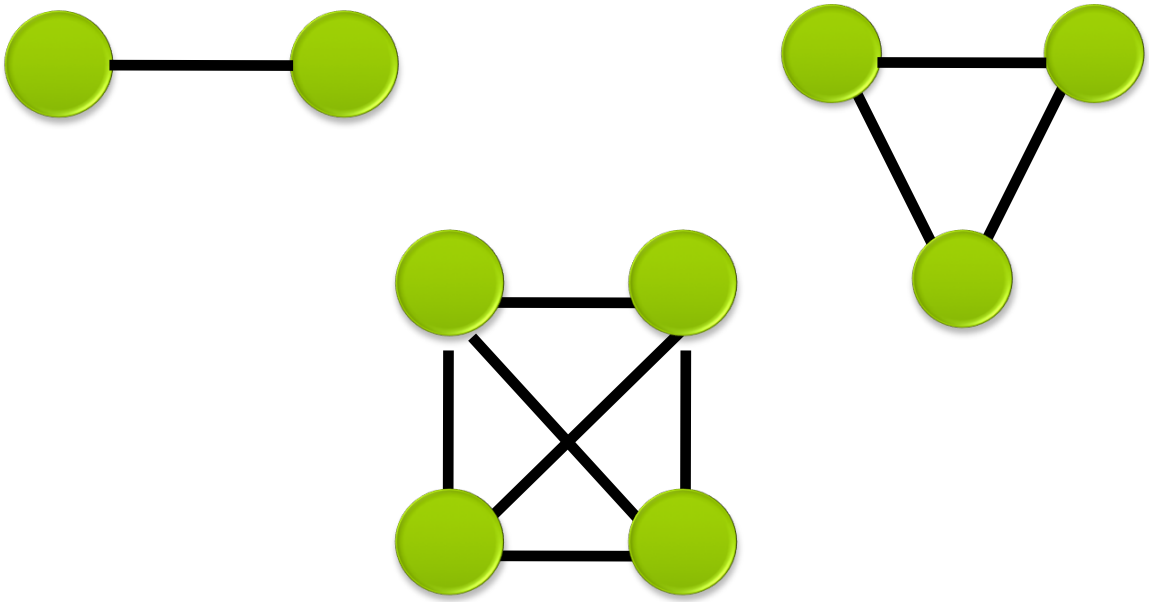
Accessing the Data







The "Relational Load"



Determining the "Relational Load"

$$\frac{N \times (N-1)}{2}$$

Group of 2 = 1

Group of 3 = 3

Group of 4 = 6

Group of 5 = 10

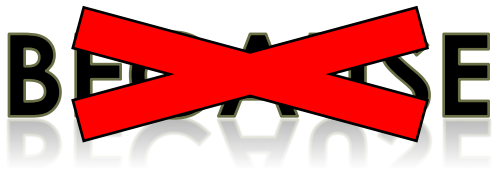
Group of 6 = 15

Group of 7 = 21

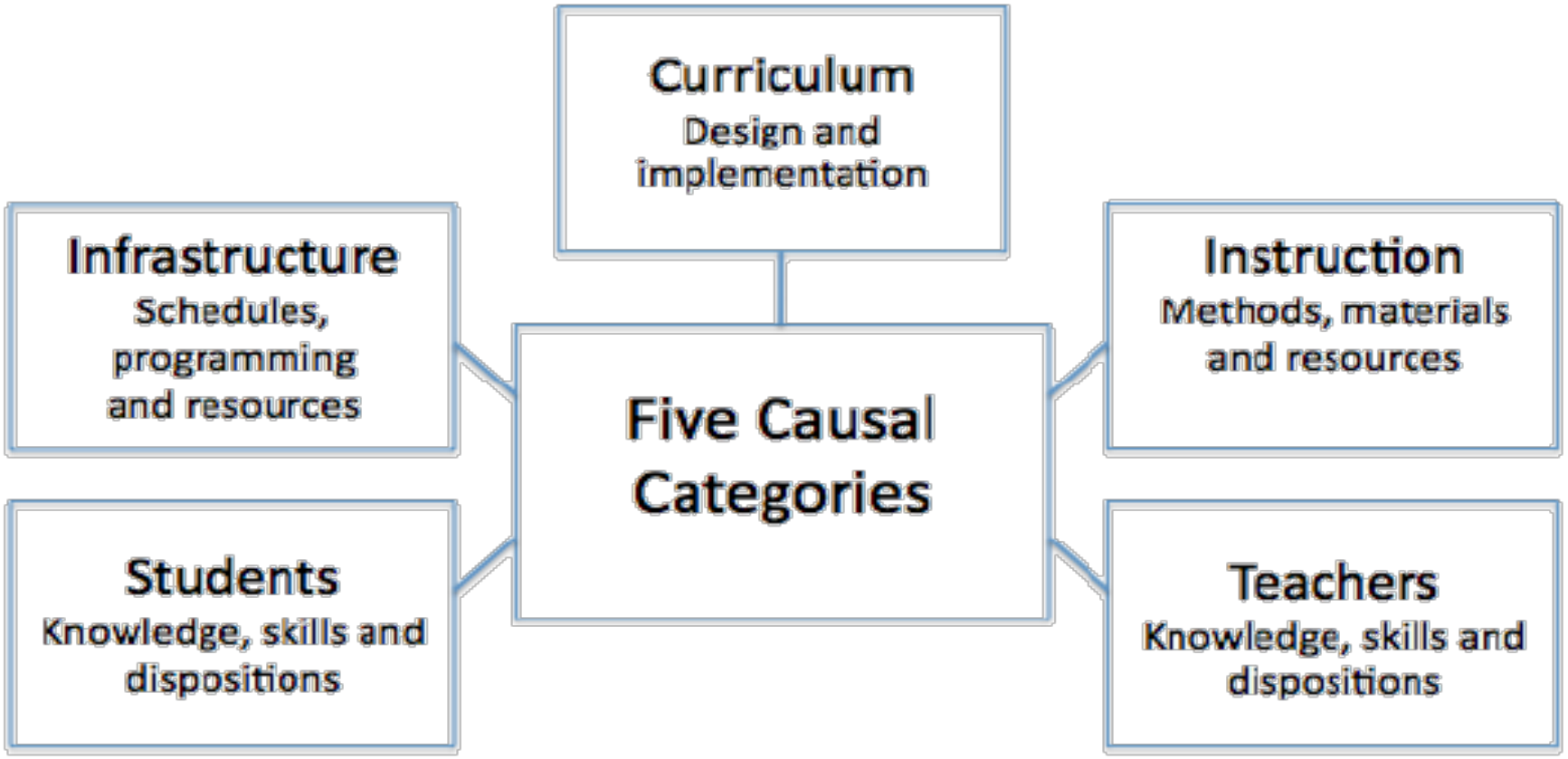
Group of 8 = 28

Guiding Questions

- What important points seem to pop out?
- What patterns, categories, or trends are emerging?
- What seems to be surprising or unexpected?
- What are some questions this data generates?



Organizing and Integrating



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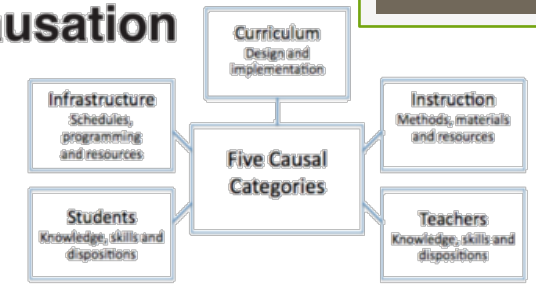
Organizing and Integrating

Theories of Causation



Observation:

Use this space to record three possible theories of causation related to your observation:

1.

2.

3.

Circle one theory to test. In the space below, record at least three sources of data that you could use to confirm this theory.

- Looking at the observations made by the table, individually generate a couple of theories of causation.
- Then, share in your pairs and come to consensus on no more than two theories.
- Share and write the theories on chart paper for the table.

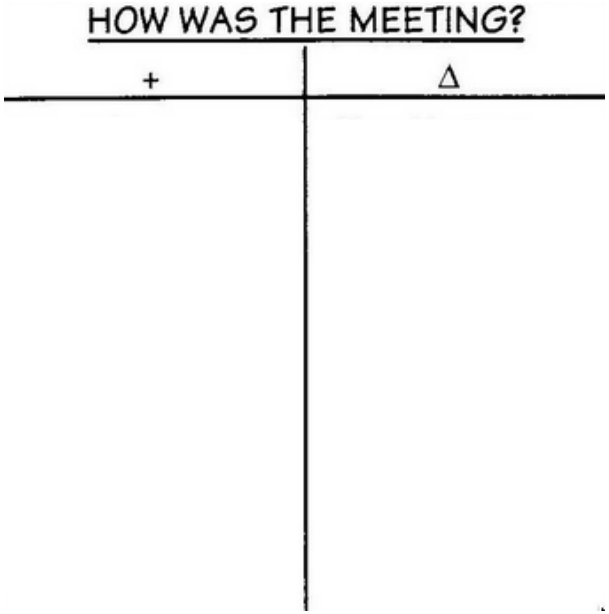
Spend A Buck for Consensus

- **Review** the list generated.
- ***Independently, use Post it Notes to score*** each one with a score between **0 – 100**. Your total should **not exceed 100**.
- ***Tally*** the score and identify the top theory. If there is a tie, then Spend A Buck again to break the tie.

--Lipton, L. & Wellman, B. (2011). *Groups at work: Strategies and structures for professional learning.* Sherman, CT: MiraVia, LLC.

Feedback & Reflection

Using a post it note, create an exit slip assessing the collaborative inquiry process used during this time of today's meeting and offering +/Δ feedback.



How might you use this process in the future?

MNPS Collaborative Inquiry Toolkit

www.mnpscollaboration.org

Collaborative Inquiry Toolkit

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An MNPS REL Appalachia Partnership

Collaborative Inquiry is a data-based team process that consciously uses the collaborative learning cycle (activating and engaging, exploring and discovering, and organizing and integrating) and the qualities of effective teams (fostering a culture of trust, maintaining a clear focus, taking collective responsibility and data-informed decision making.

Workshop Warehouse

Collaboration Corner Blog

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Wrap Up

References

Lipton, L. & Wellman, B. (2012). *Got data? Now what?* Bloomington, IN: Solution Tree.

Lipton, L. & Wellman, B. (2011). Groups at work: Strategies and structures for professional learning. Sherman, CT: MiraVia, LLC.

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Love, N., Stiles, K.E., Mundy, S., & DiRanna, K. (2009). *The data coach's guide to improving learning for all students: Unleashing the power of collaborative inquiry*. Thousand Oaks, CA: Corwin.

Wellman, B. & Lipton, L. (2004). *Data-driven dialogue: A facilitator's guide to collaborative inquiry*. Sherman, CT: MiraVia, LLC.