USING TECHNOLOGY EFFECTIVELY FOR DATA-BASED DECISION MAKING: IDEAS FOR BETTER IMPLEMENTATION

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AGENDA

- **The case for change**
- **Discussion: successes and failures in implementation**
- **Obstacles to success**
- **Ideas for better implementation**

FACTS

- We have sufficient research on effective literacy practices
- We have assessment tools that can identify student literacy needs as early as 3 years old
- We have the technology to put these two together

SO WHY DO WE FAIL?

- Barriers to implementation
- Not understanding what success is
- Successful effort is not sustained

Barriers to implementation

- Lack of technology
- Lack of training
- Lack of comfort with change
- Short term cost > long term gain
- Lack of leadership / prioritization

Time is NOT a barrier

Leading with data

"To date we have not found a single case of a school improving its student achievement record in the absence of talented leadership."

(Seashore Louis, et al., 2010)

UNDERSTANDING SUCCESS

- Setting operational goals
  - What behaviors should we see?
  - How much of them should we see?
- Establishing Value of Investment
  - Recognizing the investment (TCO)
  - Measuring the impact
  - What's the value of that impact?
- Pull the weeds, then plant the flowers

SUSTAINING EFFORT

- Consistency of data questions & priorities
- Consistency across levels of the organization (vertical)
- Consistency across users (horizontal)

IDEAS

- Remove barriers to use
  - Single Sign On
  - Immediately Relevant Data
  - Drill down to greater detail
  - Click through to deeper analytics

IDEAS

- Develop vertical and horizontal consistency
  - Scorecarding
  - Role-based Dashboards

IDEAS

- Relevant data to the right people

IDEAS

- Planning for the future
  - Data management
  - "Maintenance"
  - Revisit priorities planfully

WHAT ARE THE KEY COMPONENTS OF A "DATA-DRIVEN CULTURE"?

- Strong leadership team with buy-in from key stakeholders
- Systematic process for screening, diagnostic and progress monitoring assessment
- Easy access to data
- Time and resources for all staff to examine data
- Clear connection between data and interventions

(Silberglitt, Hyson & Appleton, 2009)

Thank you!

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