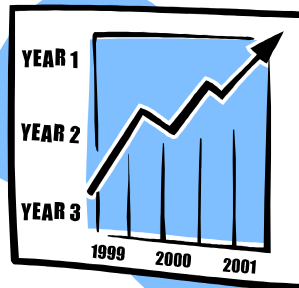




Data-Driven Decision-Making In Schools

A workshop



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A. Do your homework!

Learn About the Five Types of Data



Establish Data Infrastructure

B. Get to work!

1. Identify an area of focus



2. Determine What Data are Needed



7. Devise and Implement Strategies for Achieving Goal

Monitor goal progress and evaluate strategy effectiveness by going through process again.



6. Set Performance Goal

3. Collect the Data



5. Interpret Data through Facilitated Discussions



4. Analyze Data

Introduction to Data-Driven Decision-Making

“Data-driven decision-making is using data that are gathered on a regular basis (and additional information as needed) to inform planning, decision-making, and reporting activities,” (NEA, 2000).

Key to effective data-driven decision-making:

- The **systematic** collection and analysis of objective and meaningful data so that raw data are transformed into useful information.

Schools use many different datasets – usually under the heading of “student information systems” or something like this– which track things like addresses, absences, tardies, course enrollment, course grades, etc.

This workshop advocates establishing a student achievement dataset that tracks **student learning**.



Quick Question:

Why **should** schools use student achievement data?

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Why **don't** schools use student achievement data?

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____

Introduction

How hard/complicated/time-consuming is data-driven decision-making?

- As hard, complicated, and time-consuming as you want it to be!
- Or conversely, as easy, simple, and little time as you want it to be!

- Easier:

- (1) Establish baseline measures.
- (2) Use data to meet reporting requirements.
- (3) Develop school profile on data already collected.

- Harder:

- (4) Collect new data.
- (5) Synthesize data from multiple sources.
- (6) Explore causes for results.



Quick Question:

What do I hope to get out of this workshops? What are my learning goals?

1. _____
2. _____
3. _____

A1. Learn About the Five Types of Data

Purpose:

- To educate yourself!



Tips for Learning about Data

- Consider all types of data.
- Talk to other schools about the data they collect.
- Read books on tests, data, surveys, program evaluation, etc.
- Review school accountability reports/state report cards.
- Attend data-training workshops!

What to do:

1. Learn about the five types of school data. (Display A1-1)
 - (1) Student Learning
 - (2) Student Behavior
 - (3) Attitudes
 - (4) Demographics
 - (5) School Processes
2. Learn about the five methods available for measuring the five types of data. (Display A1-2)
 - (1) Tests
 - (2) Classroom Indicators
 - (3) Surveys
 - (4) School Records
 - (5) Other Tools
3. Become a smart data consumer.
 - (1) Learn how to evaluate a measure's reliability, validity, and fairness. (Display A1-3)
 - (2) Realize that the more weight you place on a measure, the more necessary and important its reliability and validity are.
 - (3) Know that tests and other instruments developed by major publishing companies go through extensive reliability, validity, and bias studies. Tests developed by districts tend to go through less extensive studies; tests developed by schools even less so.
 - (4) Recognize that **systematic** collection and analysis of data is crucial! (Display A1-4)