



THE SCHOOL DISTRICT OF
PHILADELPHIA
BUILDING A BETTER DISTRICT



Strategic Use of Data for Improvement in the School District of Philadelphia

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The Goal: Turn. . .

Data into Knowledge

Knowledge into Action

Action into Improvement

- We often lose discipline on this last step:
 - How do we know if we have succeeded?
 - Are the measures clear and well defined from the start?
 - Did we define the instruments, the method, the frequency, the persons responsible?



Stage	Requirements	Tools
Data into Knowledge	<ul style="list-style-type: none"> •Data Access •Readily Available, Relevant, Reliable 	<ul style="list-style-type: none"> • SchoolNet • DataWarehouse Dashboards
	<ul style="list-style-type: none"> •Assessment Literacy •Interpretive Knowledge and Skill 	<ul style="list-style-type: none"> • SchoolStat • Professional Development • Data Coaching
Knowledge into Action	<ul style="list-style-type: none"> •Contexts for knowledge building and knowledge sharing 	<ul style="list-style-type: none"> • SchoolStat • Benchmark Data Analysis Protocols •Regional and School Improvement Planning Processes
	<ul style="list-style-type: none"> •Clear and coherent systems for action design 	<ul style="list-style-type: none"> • Plan-Do-Study-Act (PDSA) • SchoolStat • Regional and School Improvement Planning Models
Action into Improvement	<ul style="list-style-type: none"> •Clear and coherent systems for assessing both leading and lagging performance measures •Is our best thinking and action about improvement working? How do we know? 	<ul style="list-style-type: none"> • Operational definition of success • Balanced Scorecard • Plan-Do-Study-Act (PDSA) • SchoolStat



Evaluation and Assessment

- Summative data tells the story of results
- The power and limitations of summative evaluation are well known
 - Doesn't provide the continuous data we need reshaping teaching and learning for urban teachers and learners
 - Seldom seen as actionable from the classroom teachers/principals perspective
 - Necessary, but not sufficient (no surprise here)



Evaluation/Assessment FOR Achievement	Evaluation/Assessment OF Achievement
Supports →	
<ul style="list-style-type: none">•Leading•Formative•Frequently analyzed:quarterly, monthly, weekly•Clear back-mapped targets and scaffolding•Actionable in the short term:•Course corrections, changes in tactics, refinements and adjustments in programs, process improvements•Continuous improvement	<ul style="list-style-type: none">•Lagging•Summative•Analyzed far less frequently, usually annually•Actionable for longer-term major changes in strategy•Benchmarking; “reengineering”

← Balance of strategies and measures
Across all levels of the system →



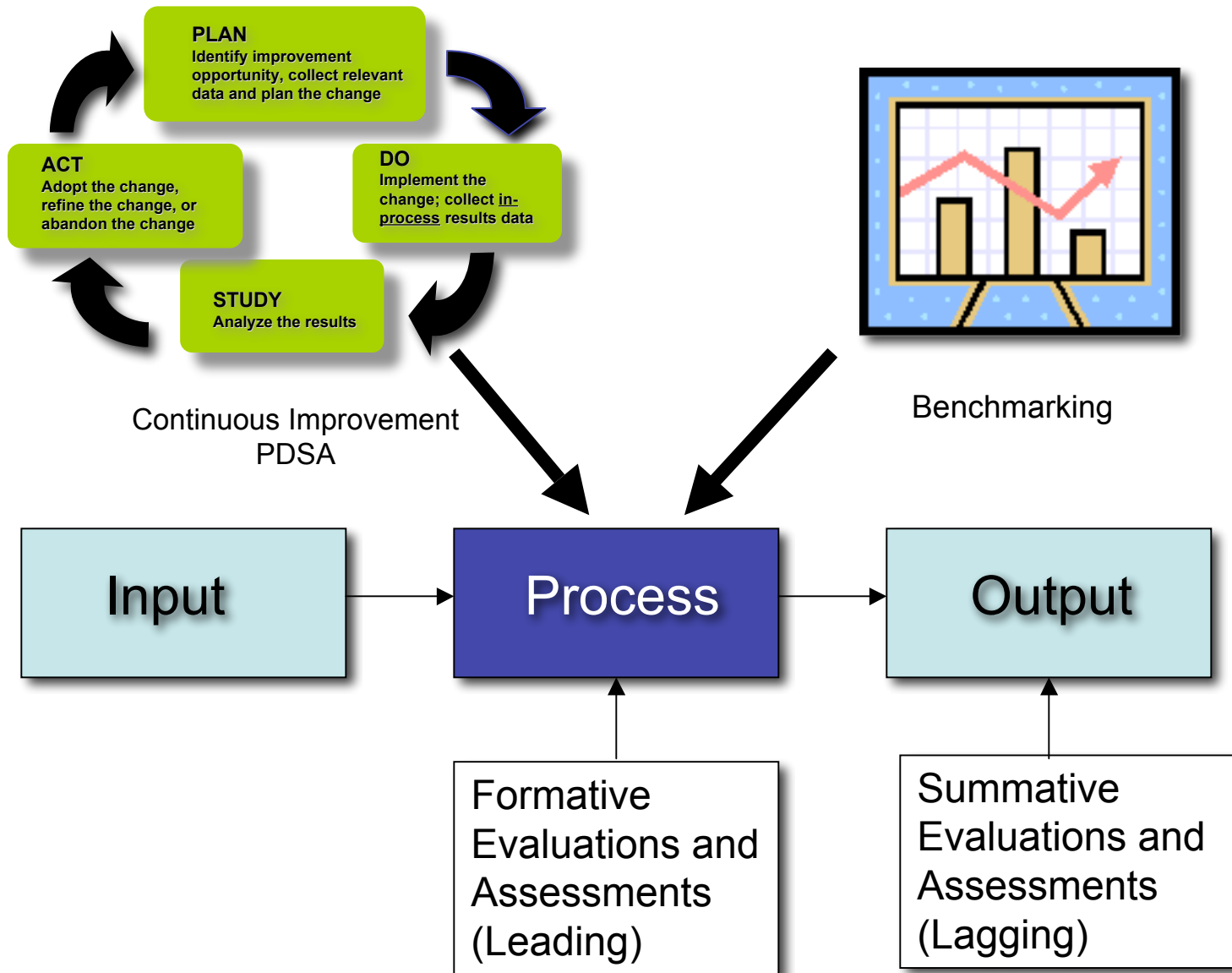
Benchmarking and Beyond

- Many districts, including our own, have developed benchmark tests to address these limitations
 - **Critical** improvement for making teaching and learning more data-driven
 - Just the beginning
- Beyond benchmark testing
 - There must be a deeper and ongoing change in school and organizational culture around looking at data for improvement



Commitment to Quality and Process Improvement

- This change taps into the belief systems and behaviors of teachers, students and the entire organization
 - From admiring and continuously reframing problems;
 - ***to evidence-based action and management by fact***
 - From a belief that there are barriers to progress that cannot be changed;
 - ***to a belief that even the most entrenched problems are actionable,***
 - ***if we work continuously to improve using the right measurements and processes as our guide***





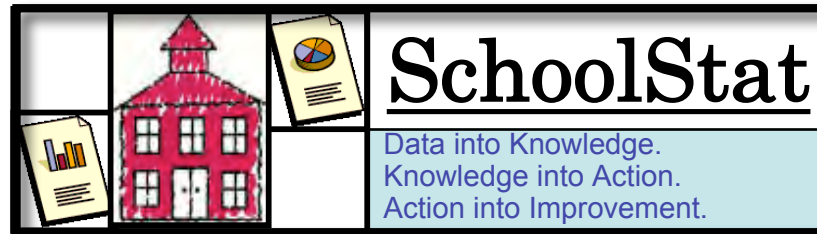
Critical Success Factors

- That students, teachers, and administrators
 - Own the data, understand the data, and are skilled at using the data as the framework for deciding what and how to improve
- That leaders work to provide
 - Students, teachers, support staff, and administrators with relevant and timely data and the skills and tools to improve using the data
- Tools (especially technology tools)
 - Must always be the servant, never the master
 - Serve processes that are authentic and useful to improvement



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SchoolStat: A Corporate-University-School System Partnership





The SchoolStat Process

- *Before the meeting*
 - KPI Data are extracted for each school
 - KPI Data are analyzed and observations are reported in an executive briefing sheet
- *During the meeting*
 - Regional superintendent leads groups of 5-7 principals
 - KPI Trends are noted for each metric
 - Reasons are explored; strategies are cited
 - Best practices and experiences are shared
 - Action plans are developed
 - Timelines for assessment of action are set
- *After the meeting*
 - Results are reported at next meeting in an ongoing cycle
 - Accountability **and** professional developmental support



Actionable, Timely Data: The SchoolStat Principal's Monthly Dashboard

Insight for School Improvement
 PRINCIPAL'S MONTHLY DASHBOARD - November 2005

Dear Principals,

This month we are focusing on specific aspects of the data view that includes Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras ullamcorper porttitor turpis. Vestibulum aliquam. Nunc felis quam, bibendum nec, porta quis, mollis ac, lacus. Maecenas quis arcu. Nunc congue lacinia tellus.

Duis dolor nibh, consectetur ac, imperdiet eu, ultricies et, eros. Morbi a du. Proin nonummy sodales risus. Suspendisse pharetra tortor quis sapien. Nullam aliquam, risus tristique lacinia pretium, metus ante rhoncus justo, vel mattis velit massa et orci.

Curabitur sapien. Cras ornare tincidunt magna. Praesent suscipit Aenean scelerisque vulputate orci. About 120 words.

Sincerely,

Gregory Thornton
 Chief Academic Officer

ANNA L LINGELBACH SCHOOL
 Wayne Avenue & Johnson Street
 Philadelphia, PA 19144

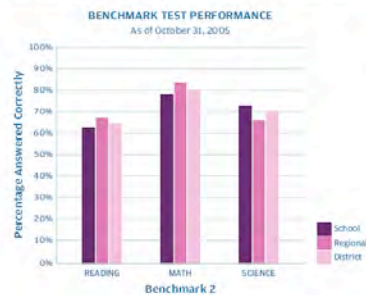
KEY PERFORMANCE INDICATOR	FOCUS	NOTES	PAGE
Improve Reading Level Attainment	Instruction		6
Improve Benchmark Performance	Instruction		10
Improve Benchmark Participation	Instruction		13
Improve Student Attendance	Administrative		15
Reduce Teacher Absences and Improve Staff Attendance	Administrative		18
Reduce Student Suspensions and Serious Incidents	School Climate		22

Key Performance Indicator Overview

Improve Reading Level Attainment



Improve Benchmark Test Performance



Detail



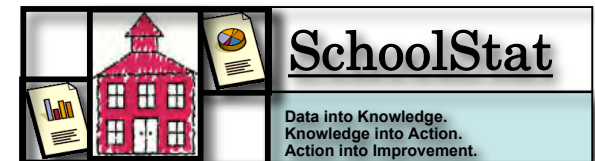
SchoolStat

Data into Knowledge.
 Knowledge into Action.
 Action into Improvement.



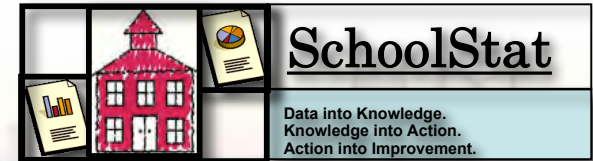
SchoolStat PDSA Continuous Improvement Model

Stage	Plan	Do	Study	Act
Where	SchoolStat Meeting	School	SchoolStat Meeting	School
Steps	<ul style="list-style-type: none"> • Data analysis • Identify opportunities for improvement (OFIs) • Identify root causes • Share existing strategies and/or design new strategies • Design action steps • Design an evaluation plan 	<ul style="list-style-type: none"> • Implement action steps defined in the PLAN stage 	<ul style="list-style-type: none"> • Monitor implementation • Evaluate effect against defined desired outcome in PLAN stage • Revise action steps, refine, abandon strategy (as indicated) 	<ul style="list-style-type: none"> • Implement revised action as defined in STUDY stage • Repeat cycle





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Principal's Dashboard and SchoolStat: A Performance Management Process

*Actionable
Dashboard Data*



Planned Strategies in Action



SchoolStat Meetings



**The Continuous
Improvement
Cycle**

*Analysis, Sharing of Practices,
Action Planning, Assessment*