

Why **CONNECTED DATA** is Important to **K-12 Success**

HOW UNIFYING ALL YOUR K-12 DATA DELIVERS INSIGHTS,
INFORMS DECISIONS, AND IMPROVES STUDENT SUCCESS

1 DEFINE CONNECTED DATA IN YOUR DISTRICT

Educators get student data from **lots of different sources**, like an SIS, LMS, assessment, analytics products, and more.

Connected data is information that's combined into one integrated platform to give you a complete view of student performance.

ENGAGE:

Get Your Data in Gear

Like most districts, you probably have great student data... but it's **disjointed and held in separate locations**. Cogs spin in their own niches, but they don't engage with each other or connect with student achievement.

With connected data, all your information works together to give you valuable insights.



REAL LIFE:

Informing Instruction

A large district has both quantitative and qualitative data showing a need to improve writing instruction in its schools.

After principal and teacher discussions, the district office is piloting a new writing program in the lowest performing schools in the district. Each principal is providing teacher training to ensure consistency, **plus conducting and comparing formative and summative evaluations to see the impact on writing scores.**

DISCOVER THE IMPACT ON INSTRUCTION

With a single view of student performance, connected data helps curriculum and instructional leaders **easily see strengths and growth opportunities.**

Equation for Leader Success



INSIGHTS



DEEPER
STUDENT
ENGAGEMENT



EFFECTIVE TAILORED
LEARNING AND
IMPROVED EDUCATION



REAL LIFE:

Advise Student Placement

A Curriculum & Instruction Director is concerned that the racial and ethnic diversity of students enrolled in AP math courses is not representative of the district's student population.



REFERENCE POINT:

Teachers Crave Data in the Classroom

Source: Online surveys by The Harris Poll on behalf of Data Quality Campaign, May 23-26, 2018, among 762 full-time K-12 grade teachers. <https://dataqualitycampaign.org/resource/teachers-see-the-power-of-data-but-dont-have-enough-time-to-use-it/>

86% of teachers say using data is important for effective teaching

95% of teachers use a combo of academic data (grades, graduation rates) and nonacademic data (attendance, behavior) to understand student performance

94% of teachers use data to trigger early support for struggling students

Examining enrollment and academic data from the feeder middle schools revealed that Black and Hispanic students **were not taking algebra in middle school at the same rate as their Caucasian peers.**

With the power of connected data, educators can support decisions related to:

✓ PROFESSIONAL DEVELOPMENT

✓ INSTRUCTION

✓ OVERALL STUDENT SUCCESS

✓ AT-RISK DETERMINATION

✓ STUDENT PLACEMENT

✓ HIRING

✓ COLLEGE & CAREER READINESS

✓ PROGRAM EFFECTIVENESS

✓ TEACHER & PRINCIPAL EVALUATION



REFERENCE POINT:
Teachers Believe in Connected Data

Source: <https://2pido73em67o3etaq1cp8au-wpengine.netdna-ssl.com/wp-content/uploads/2018/12/D-QC-Time-to-Act-2018.pdf>

91% of teachers say they can make instructional changes based on student-level data

91% of teachers want longitudinal data about attendance history, classroom behavior, courses taken, and grades to identify students off track for success

REAL LIFE:



Assessing Educational Programs

A rural school district wants to gain parent and community support for transitioning from half-day to full-day kindergarten.

The process began with a few schools, and the district gathered data on results and conducted ongoing teacher conversations. **They analyzed the data** collected from district assessments, Diagnostic Reading Assessment (DRA), samples of student work, and interviews with first grade teachers. **As a result, the district was able to determine that a full-day kindergarten program benefited all students, thus supporting the need for additional resources to make that happen.**

Data says a lot about student achievement and **that knowledge can significantly improve outcomes** for all stakeholders when used the right way.

CONTEXT IS KEY

Understanding the purpose of individual measures provides a basis for connecting the data to student achievement in an intentional way.



MULTIPLE MEASURES

Use several ways of collecting data around a particular attribute, dependent on what you're trying to evaluate and why.



BASELINES & BENCHMARKS

Learn how far a student, or group of students, has progressed from a verified starting point.



ONGOING MONITORING

Continually evaluate progress and course correct based on insights from connected systems.



REFERENCE POINT:
Improving Parent Engagement

93% of parents want access to academic data

86% of teachers say data improves parent communication about their child's performance

Source: <https://2pido73em67o3etaq1cp8au-wpengine.netdna-ssl.com/wp-content/uploads/2018/12/DQC-Time-to-Act-2018.pdf>

REAL LIFE:

Evaluate Teachers & Principals

One district requires both principals and teachers to develop growth goals and plans to meet them.

Educators review their goals in professional learning community (PLC) meetings held a few days after each school's benchmark data is received.

Discussion of the results provides the basis for modifying instruction and professional development plans.

5 CONNECT ASSESSMENTS TO SUCCESS

Assessments provide valuable information about student performance, and can empower student achievement when data is timely and actionable. **Here's how** you can use assessment data to guide meaningful instruction.

1 INTEGRATE ASSESSMENT into instruction



2 ESTABLISH LEARNING TARGETS



3 PROVIDE ESSENTIAL FEEDBACK



4 USE MULTIPLE opportunities for assessment



5 ENSURE DATA IS USED AS INTENDED



REAL LIFE:

Appraise Professional Development

A district HR department is collecting qualitative data on professional development classes offered to certified and classified staff, including administrative, food service, transportation, and maintenance personnel.

The purpose is to make sure that all employees are engaged in skill building that will help them advance **while focusing on continuous improvement in their current roles.**



REFERENCE POINT: Teachers Need Better Insights

Source: <https://2pido73em67o3etaq1cp8au-wpengine.netdna-ssl.com/wp-content/uploads/2018/12/D-QC-Time-to-Act-2018.pdf>

Teachers say that the most useful data isn't available in a one-stop, easy-to-use tool.

Only 27% of teachers have access to milestone progress

& less than 1/2 have access to student growth data

GET DEEPER INSIGHTS INTO CLASSROOMS

Connected data between your SIS, assessment, and analytics products provides a **holistic view of student performance** across your district.



Adjust learning based on **real-time data analytics** to see real results.



Teachers can access relevant data quickly to **identify risk factors**.



Simplify **student- and school-level reporting**, identification, and improvement initiatives.



Save **reporting time**.



Create robust **end-of-year analysis** and **reliable assessments**.



Leverage Your Data

Learn how robust insights fuel student and school success with **Unified Insights**.

[CLICK HERE TO CHECK IT OUT](#)



REAL LIFE:

Close the Loop on Hiring

A district requires candidates to take an assessment during the hiring process.

At the end of each year, the district gathers new hire data like principal ratings, PD courses taken, and student growth data tied to that new hire.

Over a period of years when the sample size is large enough, the district works with research partners to evaluate which items from the pre-hire assessment are most predictive, which need tweaking, and which need to be removed to make sure they're finding the right people for the right jobs in the district.



PowerSchool

Powering Brighter Futures

At PowerSchool, we believe in the simple truth that every student deserves the best opportunities in life.

That's why our mission is to power the education ecosystem with unified technology that helps educators and students realize their potential, in their way. From the back office to the classroom to the home, PowerSchool helps schools and districts efficiently manage instruction, learning, grading, attendance, assessment, analytics, state reporting, special education, student registration, talent, finance, and HR. Today, we're proud to be the leading provider of K-12 education application technology supporting over 45 million students in over 70 countries.