

A DERIVITA GUIDE TO

Increasing Math Scores District-Wide with Real-Time Insights

How district leaders can use Derivita's analytics and SIS integration to drive instructional improvements while there's still time to impact student outcomes before end-of-year testing.

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Introduction: The Challenge of Driving District-Wide Math Improvement

District leaders face the critical challenge of ensuring consistent, high-quality math instruction across multiple schools while balancing state standards, compliance, and resource allocation. Without real-time insights into student performance, districts often rely on outdated or siloed data, limiting their ability to drive timely interventions that improve student outcomes.

With math scores still lagging globally and nationally, according to the 2022 Programme for International Student Assessment (PISA) and the 2024 National Assessment of Educational Progress (NAEP), it is essential for districts to leverage technology-driven solutions that provide accurate, district-wide visibility into performance trends, school comparisons, and subgroup analytics. Transparent district-wide data empowers administrators to support teachers, allocate resources effectively, and close achievement gaps.

The Opportunity: Scaling Math Success with Real-Time District Reporting & SIS Integration

To improve math outcomes across the district, leaders need access to real-time, centralized performance data to make informed decisions before students enter state testing and/or high-stakes assessments. A data-driven approach enables districts to:

- **Visualize student performance at every level** – across schools, classrooms, demographic subgroups, and state standards.
- **Identify trends and implement targeted interventions** before learning gaps widen.
- **Strengthen teacher efficacy** by using data-driven professional development and resource allocation.

- **Streamline compliance reporting** with automatically generated district, state, and federal reports.
- **Integrate assessment and instruction** so district goals align with classroom learning strategies.
- **Break down data silos** by integrating Derivita's District Reporting directly with SIS platforms, ensuring seamless access to accurate, real-time analytics.

By using Derivita's District Reporting + SIS Integration, administrators

- Gain the ability to track daily student performance
- Compare schools, assess teacher effectiveness, and
- Foster PLC collaboration to scale math success district-wide.

How a Data-Driven District Uses Derivita

Let's explore a multi-tiered approach that connects district strategy, school leadership, and classroom execution on a regular cadence.

Weekly: District Leaders Review Performance Data

Each week, district administrators review Derivita's District Reporting dashboard, gaining real-time insights into:

- District-wide assessment performance to track trends across all schools.
- Demographic subgroup and cohort analysis to ensure equity in math learning.
- School comparisons to identify high-performing schools and share best practices.
- Teacher-level performance data to guide professional development.
- PLC assessments and reports that inform data-driven coaching.

This data serves as the foundation for monthly school-level meetings, ensuring district leaders are prepared to guide instructional strategies effectively.

Monthly: School-Level Meetings to Align Strategies

Once a month, district leaders meet with school administrators and PLCs to align instructional strategies with district-wide trends. These meetings:

- **Ensure classroom instruction is aligned to district-wide strategies**, where the most critical gaps are prioritized.
- **Highlight positive outliers** by recognizing high-performing schools, teachers, and strategies that can be replicated across the district.
- **Refine intervention strategies** by collaborating with PLCs to ensure struggling student groups receive targeted support.

Implementation Example: A district math director notices that several middle schools are underperforming in Algebra readiness compared to district benchmarks. During the monthly meeting, they collaborate with principals and PLC leads to implement targeted instructional strategies, leveraging Derivita’s real-time data to track progress and adjust interventions.

Annually: Data-Driven Decision-Making for the Coming Year

At the end of the school year, district leaders analyze cumulative data from Derivita to make critical decisions that shape the upcoming academic year. This includes:

- **Curricular adjustments**—determining what worked well and what needs improvement.
- **Technology evaluation**—identifying which tools were most effective and which should be replaced.
- **Professional development planning**—using data to design summer PD sessions that equip teachers with the strategies they need to improve student outcomes in the coming year.

This annual reflection process ensures that district-wide instructional planning is backed by accurate performance data, rather than assumptions or delayed standardized test results.

The Outcomes: What Happens When Districts Use Derivita?

When districts integrate Derivita's District Reporting + SIS Integration, they experience:

- **Stronger alignment between district goals and classroom instruction**—real-time insights ensure instruction directly supports district priorities.
- **More effective professional development and coaching**—data-driven insights help guide PLC discussions and teacher training.
- **Improved student performance across all schools**—targeted interventions close learning gaps before they widen.
- **Automated, accurate reporting for compliance and funding**—reducing administrative burden while ensuring data integrity.
- **Seamless integration with SIS platforms**—eliminating data silos and improving workflow efficiency.

Conclusion: Build a Data-Driven Math Success Model in Your District

Improving math outcomes district-wide requires the right tools, the right insights, and the right strategy. With Derivita's District Reporting + SIS Integration, administrators can track student performance in real time, implement targeted interventions, support professional learning communities (PLCs), and optimize instruction at every level.

Schedule a demo today and see how Derivita's real-time insights can improve student outcomes, strengthen instructional strategies, and simplify district-wide reporting at <https://www.derivita.com/request-a-demo>.

About Derivita

Derivita enables high-quality, rigorous math instruction at scale, from individual students and classes to school and district levels. Derivita uniquely streamlines your math workflows, content and data, automating common tasks, and seamlessly integrating it all within your LMS.

Our holistic design reduces teacher workload, enables collaboration, and connects data to provide real-time analytics that drive instructional improvements—from student and class levels to school- and district-wide. No other math platform offers more comprehensive support for educators to deliver personalized pathways to math proficiency for every student.

To learn how Derivita can support your efforts to improve student math outcomes, schedule a conversation with your local Derivita representative at <https://www.derivita.com/request-a-demo>.