



# AI in Schools: A Strategic Approach for District-Wide Implementation



**PANORAMA**  
EDUCATION



## About This Guide

In the rapidly evolving landscape of education, Artificial Intelligence (AI) has emerged as a prominent topic, sparking a range of conversations about its potential impact on teaching and learning. As a school or district leader, you’ve likely engaged in discussions on AI—and its implications for your teachers, staff, and students. It might feel challenging to navigate these discussions; while AI offers great benefits for schools and districts, it’s also important to address concerns from teachers, staff, and community members.

This resource aims to provide practical insights into the solutions that AI tools offer educators, while giving guidance on implementing these tools effectively. As we explore the potential of AI in education, we’ll shed light on opportunities for streamlining work processes, strengthening student support, and paving the way for a more efficient and personalized learning experience.

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# What is AI and Why Does it Matter For District Leaders?

AI refers to the simulation of human intelligence processes by machines, especially computer systems. Conversation around AI continues to buzz with terms like ChatGPT, OpenAI, and LLM—leaving many folks both intrigued and overwhelmed.

Schools and districts have not been immune to these conversations. Widespread use of new AI tools means that many schools—and students—have been at the forefront of adopting this transformative technology. From intelligent tutoring systems that offer personalized learning experiences to AI-driven tools for grading assessments and providing instant feedback, schools are exploring the challenges and benefits of implementing AI in the classroom.

And while there are certainly challenges to incorporating AI into education, AI also presents a range of tangible benefits. Implementing AI in schools can be a powerful way to support staff, enhance student learning, and streamline supports.

**ChatGPT:** ChatGPT is an AI (artificial intelligence) model designed by OpenAI that can engage in conversations with users, helping with tasks, answering questions, and generating human-like responses in text form.

**OpenAI:** OpenAI is an organization dedicated to developing artificial intelligence technology in a safe and beneficial manner for humanity. They create AI models like ChatGPT and conduct research to advance the field of AI.

**LLM:** LLM stands for Large Language Model. It refers to advanced AI models like ChatGPT that are trained on vast amounts of text data to understand and generate human-like language patterns, enabling them to perform various language-related tasks.



# Strategies For Supporting District-Wide Implementation of AI in Schools

Adopting AI tools is an important first step toward enhancing your district's learning environment. But districts must also support implementation of these tools, ensuring their effective integration into classrooms. District leaders should consider the following strategic approaches that empower educators to use AI tools with fidelity:

### **1. Professional Development**

Districts can offer targeted training sessions, aimed to equip educators with a deep understanding of AI concepts, the ability to evaluate AI tools, and the confidence to seamlessly incorporate them into both teaching and administrative practices.

### **2. Continuous Feedback Loop**

Implementing a comprehensive system for monitoring and evaluating the effects of AI tools empowers district leaders to make informed decisions. This feedback cycle ensures integration aligns with district goals and enhances overall efficiency. Regular assessments, coupled with feedback from educators, pave the way for data-informed decisions that refine and optimize the use of AI in the district.

### **3. Collaborative Learning Communities**

By fostering an environment where educators can share experiences, best practices, and challenges related to AI integration, districts can tap into the collective wisdom of their teaching staff. Facilitating meaningful dialogue and collaboration among teachers, staff, and principals can happen in:

- Cross-functional teams
- Workshops
- Online forums

Embracing these strategies ensures that districts not only harness the benefits of AI in education, but also foster a culture of continuous improvement and collaboration.





# How Districts Can Use AI to Create Impact

The role of today's educator involves managing a huge range of tasks to ensure positive student outcomes. AI can be a game-changer that empowers educators to effectively navigate this complexity. Additionally, AI tools can provide school and district with the streamlined ability to:

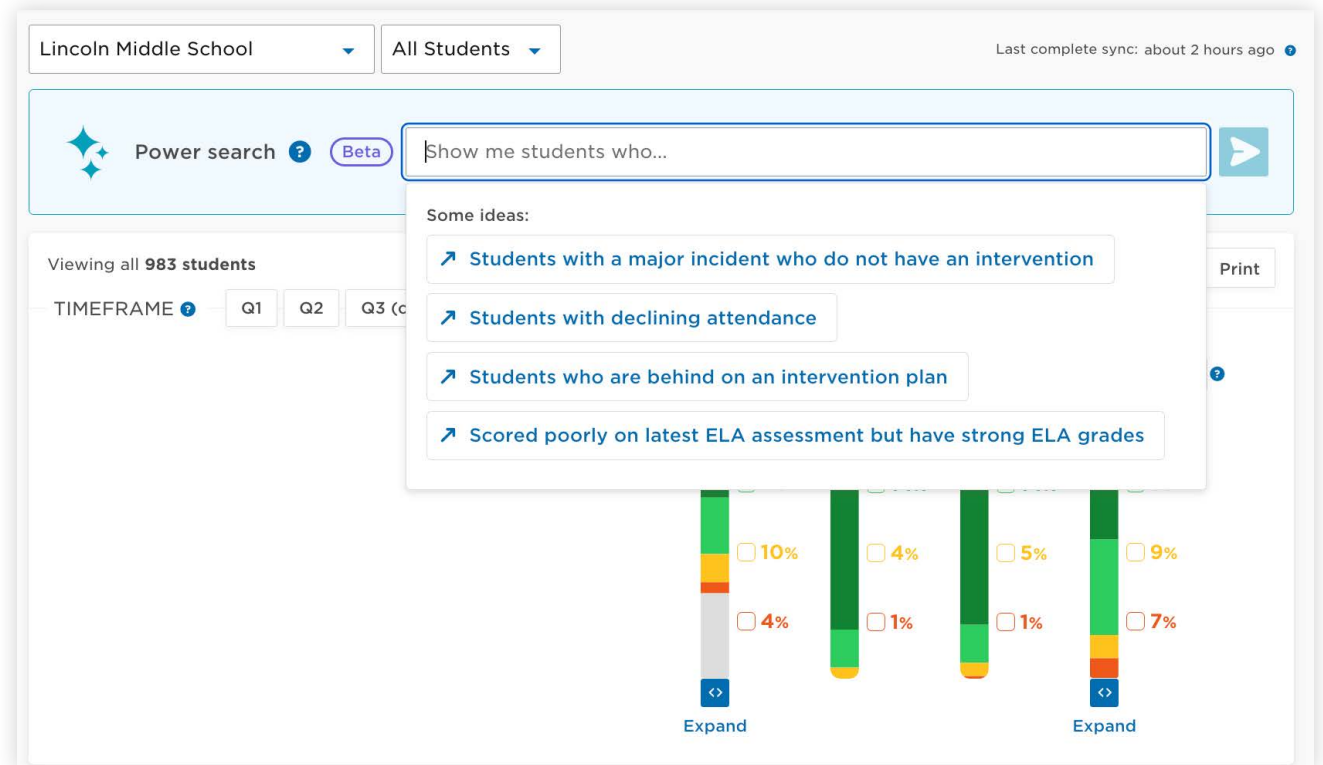
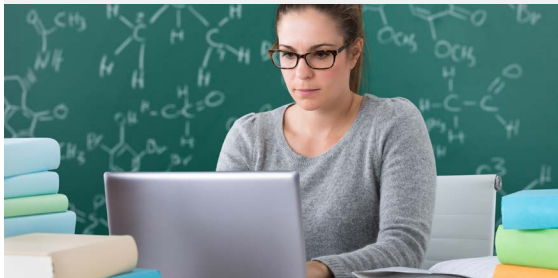
- Build capacity & drive action
- Pinpoint student challenges
- Identify urgent needs

Panorama is spearheading the implementation of AI in schools, offering research-backed and secure AI tools for school districts that make analyzing and acting on student data streamlined and highly effective.

## Build Capacity and Drive Action

Having the ability to swiftly understand and act upon student data is crucial. Platforms that leverage AI can empower educators to effortlessly identify student trends and patterns. These platforms can transform complex data into actionable insights.

Panorama Focus enables educators to identify student trends or patterns with a simple, plain-language search prompt. Now, teachers and administrators can quickly identify students who need support and allocate resources without wading through dozens of dropdowns or clicking multiple checkboxes.



Panorama Focus (demo data displayed)



# Pinpoint Student Challenges

The need to sift through numerous data sources to understand comprehensive student needs is a persistent challenge in education. AI offers a solution, providing district leaders with insights into specific descriptions, challenges, and trends for each student.

Panorama Insights takes a holistic approach, integrating academic, assessment, behavior, attendance, and life-skills data to create a comprehensive view of each student's academic journey. Modeled after evidence-based MTSS processes, it delivers in-depth descriptions of objective, non-debatable challenges and opportunities to help boost the effectiveness of your decisions.

The screenshot shows the Panorama Insights interface for Lincoln Middle School. The top navigation bar includes the school name, search, notifications, help, applications, and profile icons. The breadcrumb trail is: Home > Lincoln Middle School > Students overview > Profile. The student's name, Shawna Aderman, is prominently displayed with options to print, share, and view student actions. The main content area shows the student's profile with a sidebar for navigation (Check-in responses, Documents, Support referrals) and a 'Create a support' section with a date field (03/21/2022) and a list of actions (Call home, Classroom observation, Home visit, Parent meeting, Student meeting, Check-in: Virtual Learning, Check-in: Basic Needs, Check-in: SEL, Challenge: Basic Needs). The central insight box, titled 'Here are three key insights about Shawna', lists: 'Math skills need improvement' (with a performance history from B+ to B), 'Occasional minor behavior incidents' (with a list of behaviors), and 'Growth mindset is a relative weakness' (with SEL scores). A progress bar at the bottom shows 'How is Shawna progressing this year?' with markers for Academics (B+), B-, C+, and a greyed-out section.

Panorama Insights (demo data displayed)

## Identify Urgent Needs

Recognizing and responding promptly to urgent student needs is paramount for district leaders, but the sheer volume of survey and response data can be overwhelming.

Panorama Signal addresses this challenge by rapidly sorting through hundreds of thousands of survey responses, enabling administrators to identify sensitive content swiftly. With AI as a guiding force, districts can proactively address urgent student needs and create a supportive and responsive learning environment.

The screenshot displays the Panorama Signal interface for 'Panorama Public Schools '21-'22'. The navigation menu includes 'Platform Admin', 'Projects', 'Survey Setup', 'Content', 'Rosters', 'User Management', 'Roles and Permissions', 'File Sharing', 'SFTP Integration Access', 'Label & Branding', 'Reset Surveys', 'Free Response Analytics (Beta)', and 'Beta Feature Management'. The main content area is titled 'Free Response Analytics - Flagged Responses (Beta)'. It features a section for 'Panorama Topic: Student Competency & Well-Being Measures' with a description of the AI-powered analytics and a list of flagged categories: Self-harm, Abuse, Bullying, PII, Inappropriate language, and Needs manual review. Below this is a 'Read Terms and Conditions' link and a 'Share feedback!' link. A 'Viewing 5 flagged responses' section includes a 'Download all responses (csv)' button. A table shows the first two rows of flagged responses, with columns for Date, Response, Self-Harm, Abuse, Bullying, PII, and Inappropriate Language. The first row is dated 12/20/2023 and is flagged for Bullying. The second row is dated 12/20/2023 and is flagged for Abuse.

Date	Response	Self-Harm	Abuse	Bullying	PII	Inappropriate Language
12/20/2023	<Response flagged for bullying> (Thanks very much for answering these questions. Please share anything you would like to about these questions or your school in the space below.)	-	-	⚠️ Flagged	-	-
12/20/2023	<Response flagged for abuse> (Thinking about everything in your life right now, what feels the hardest for you?)	⚠️ Flagged	-	-	-	-

Panorama Signal (demo data displayed)



A background image of a classroom with students. Two students in the foreground are looking at a laptop screen together, smiling. Other students are visible in the background, some working on laptops.

# The Future of AI in Education: Where Do We Go From Here?

The implementation of AI tools in schools and districts presents both real challenges and unprecedented opportunities for district leaders. While acknowledging the complexities that AI introduces, it's crucial to recognize the immense potential it holds for transforming teaching and learning.

As we navigate the future of AI in education, districts can lead the way by providing professional development, establishing robust feedback mechanisms, and fostering collaborative learning communities. These strategic approaches not only address the current needs of educators, but also pave the way for ongoing enhancements.

In this dynamic landscape, where challenges and opportunities coexist, the future of AI in education will be shaped by our collective commitment to continuous improvement and collaboration. By staying informed, adapting to change, and embracing the transformative potential of AI, educators can pave the path forward, ensuring a future where technology complements and enriches the educational experience for all.

### **Additional AI Resources for District Leaders:**

**Webpage:** [Panorama AI Solutions](#)

**Blog:** [Artificial Intelligence and the Future of Teaching and Learning: What You Need to Know](#)

**Blog:** [AI in Schools: A Strategic Approach](#)

**Webinar:** [Preparing Students and Educators for an AI-Powered Future](#)



# About Panorama Education

Panorama Education partners with K-12 schools and districts across the country to collect and analyze data about social-emotional learning, school climate, family engagement, and more. With research-backed surveys, actionable data reports, and intervention tracking tools, Panorama helps educators act on data and improve student outcomes.

Panorama supports more than 15 million students in 25,000 schools across all 50 states, including those in the New York City Department of Education, Dallas Independent School District, Seattle Public Schools, and San Francisco Unified School District.

[Request a Demo](#)

