

# IDLA: Clarity Data Platform

## IDLA and the Road to Clarity

IDLA is the state virtual school for Idaho, providing supplemental online education to over 40,000 enrollments across Idaho. IDLA has always been surrounded with data but found that the data was not accessible or actionable. This Data and Insight gap was the key driver of the journey that led to Clarity, IDLA's next-generation Data Platform. By integrating data across systems, Clarity provides **connected, timely, and actionable data** that is easy to access. Clarity effectively addresses the data and insight gap, which is crucial to decision-making.

## About Clarity

Data sources for Clarity currently include IDLA's SIS, Schoology, Agilix Buzz, Watermark EvaluationKit, and Google Workspaces. The solution is built on the Google Cloud Platform, and data is centralized using BigQuery.

Clarity dashboards and mobile apps were created using an elaborate Insights Generation Workflow (IGW), connecting and aggregating data so **Teachers, Principals, Staff, Students, and Parents** have data that provides a clear path to supporting student learning.

## Clarity Highlights

- Row-level security model keeps data private and secure
- Connects siloed data
- 6-hour data refresh cycles ensure data is current for stakeholders.
- Apps and reports provide actionable pathways like click-to-call phone numbers
- Early warning thresholds trigger notifications like missing assignments and low login activity
- Quantitative data is automated, and qualitative data is aggregated for review.
- Mobile notifications and stage-specific course data engage users effectively.

## Learning Impact

Although this is just the beginning of Clarity, in a short period, IDLA has seen a significant ( $P < .01$ ) **increase in both pass rates and final grades** ( $\uparrow 2.27\%$ ). The greatest improvements have come from students on the margins increasing our lowest quartile of learners the most and reducing overall variance with timely interventions. Teacher quotes highlight the difference:

"...having all of the information in in one place **saves me so much time**. One screen with so many less clicks is wonderful. I emailed a student several days ago that I hadn't seen him being active and he immediately did three assignments."

## Return on Investment

While reports are still being deployed for administration, parents, and students, teachers have reported an average time savings of 1-2 hours per week. Across the 550 IDLA staff using the lower number this equates to 26,400 hours per year