

DATA MODERNIZATION PROJECT OVERVIEW

Ashley Perez



Putting Montana Students First **A+**

Benefits of Data Modernization



Data Insights to Support Student Success

For educators, policy-makers and families to inform decision making, investments and student success



Time Savings

- Data centralization saves time for technical staff.
- Streamlined processes for some districts when submitting required data to the state



Security

- Modern systems with industry-leading security.
- Sustainable solutions that requires fewer specialized resources to maintain.

ANALYTICS & INSIGHTS

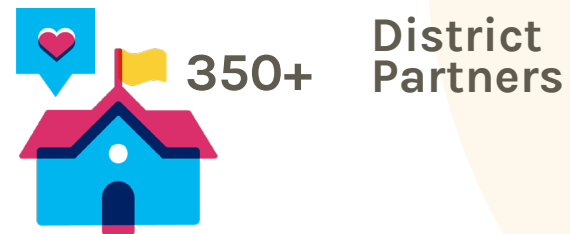
What is it?



ANALYTICS & INSIGHTS

Schools, Districts, and States Depend on the platform for:

- Student learning and growth
- Addressing chronic absenteeism
- Providing data to the community
- Early warning and intervention
- College and career readiness
- Supporting reading initiatives



Key Insights Drive Education Modernization

WE NEED INSIGHTS IN ONE EASY-TO-USE LOCATION

Families & Communities



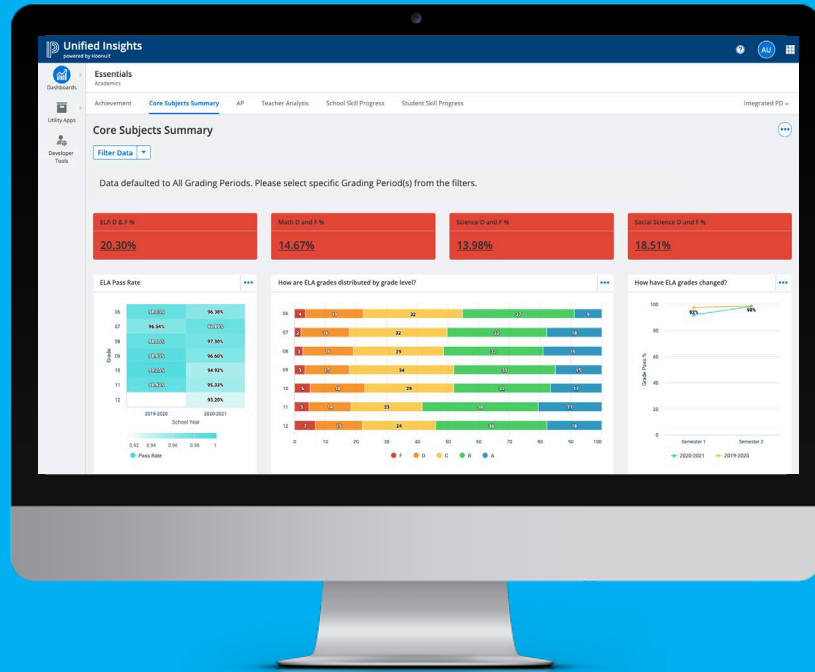
- ❖ How can I learn more about my child's school?
- ❖ How is my child's classroom, school, district performing?
- ❖ What do I need to know to make the best educational decisions for my child?

Districts & Schools



- ❖ How are we doing compared to our goals?
- ❖ Are our students showing growth over time?
- ❖ How can I adjust & personalize instruction for my students?
- ❖ Where can we improve?
- ❖ What can we celebrate?
- ❖ Am I allocating resources effectively?

This is Analytics & Insights...



Student Essentials

Longitudinal trend analysis and visualization for enrollment, special programs, attendance, behavior, academics, and learning.



Risk Analysis

Accelerate identification of students at-risk, implement interventions with visualizations for faster decision making and monitor intervention results.



Student Readiness

Monitor student readiness through three key components: credits, graduation, and post-secondary performance.



Community Engagement

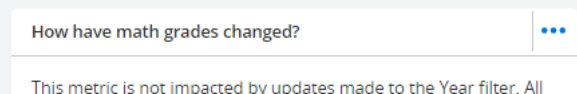
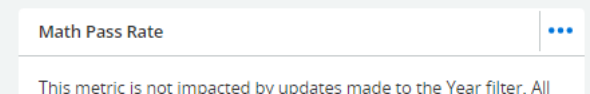
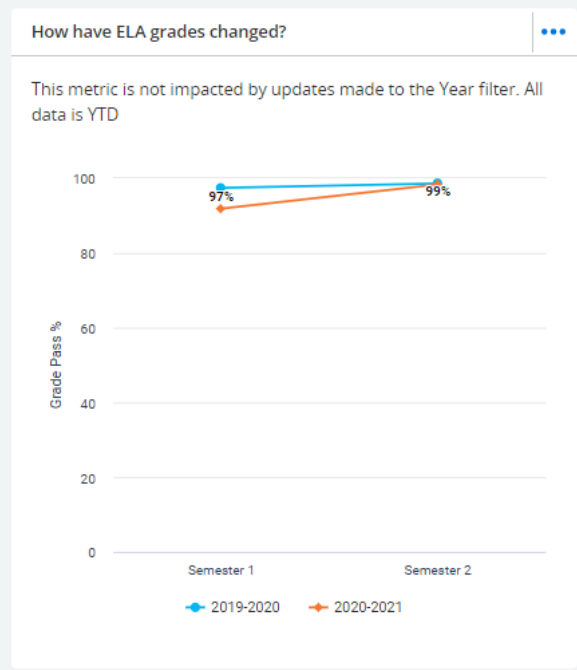
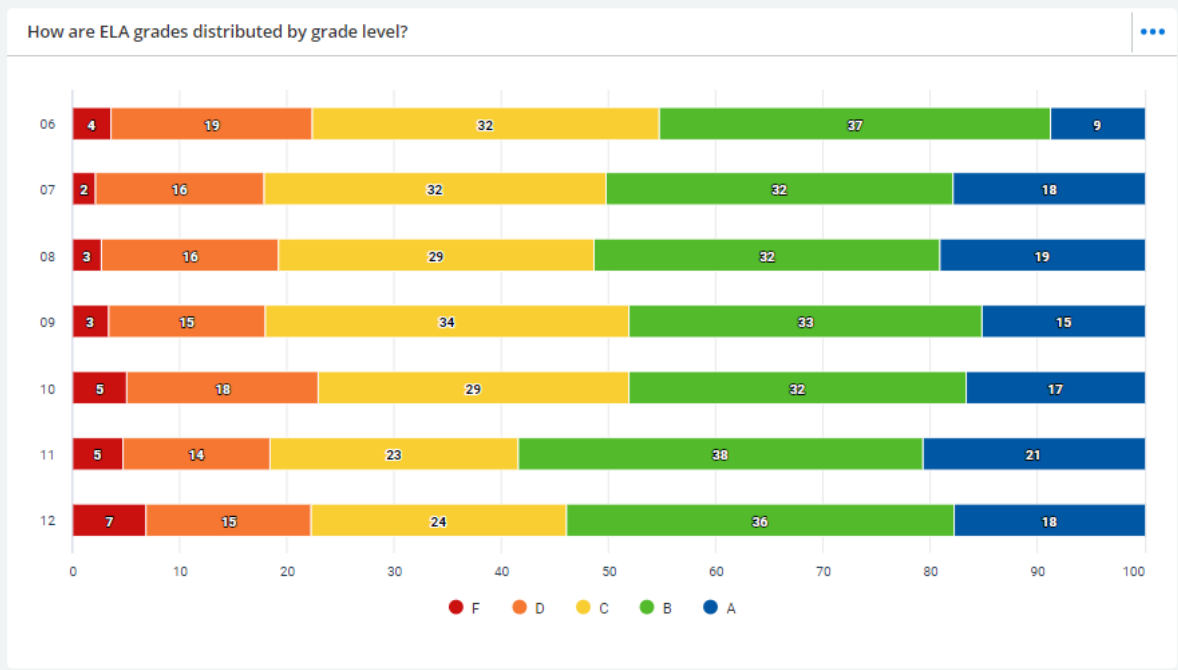
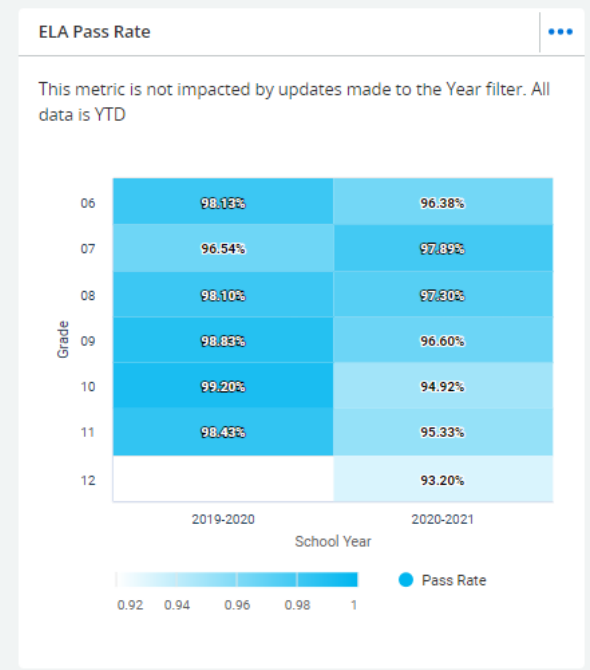
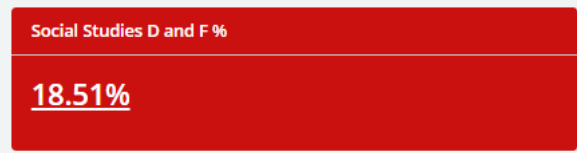
Public-facing reporting and dashboards to engage and inform students, parents, and community stakeholders.

Analytics and Insights - Primary Interface

Core Subjects Summary

Filter Data Apple Grove Unified Schools 2020-2021 Clear All Filters

Data defaulted to All Grading Periods. Please select specific Grading Period(s) from the filters.



Highly Visual Data Displays

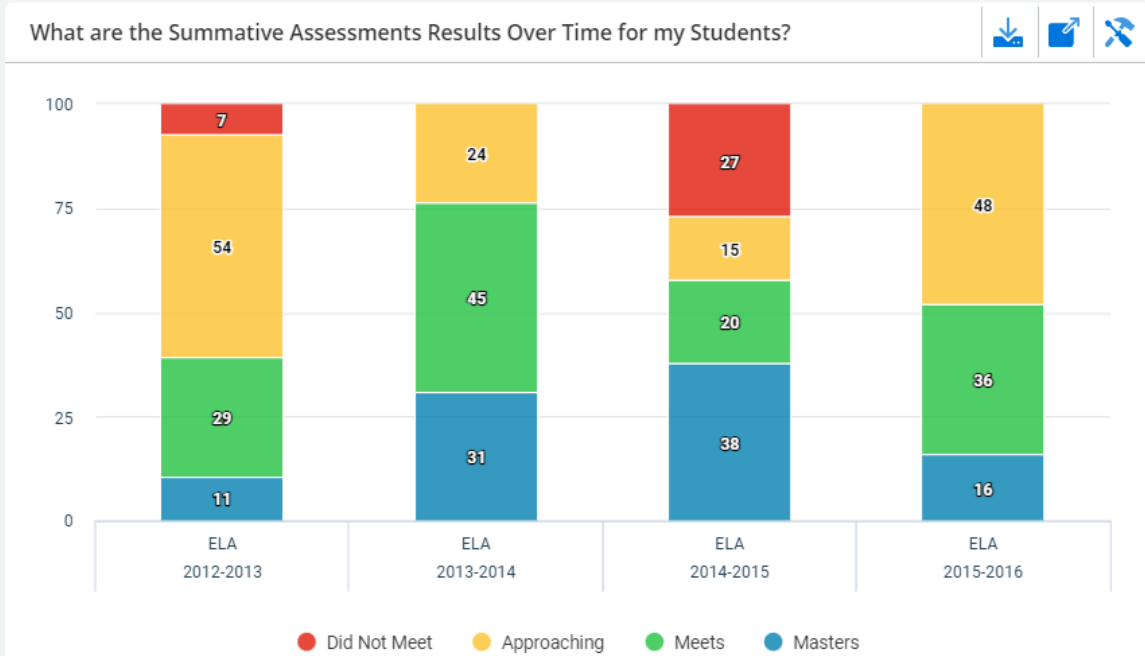
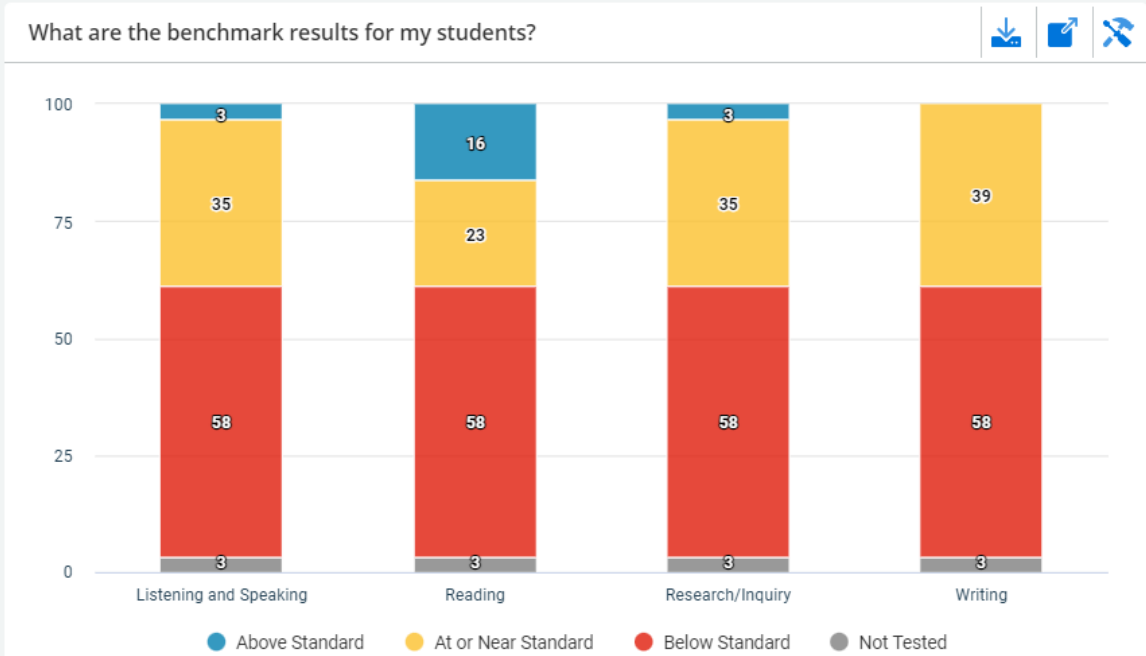
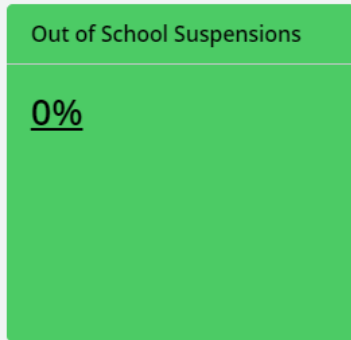
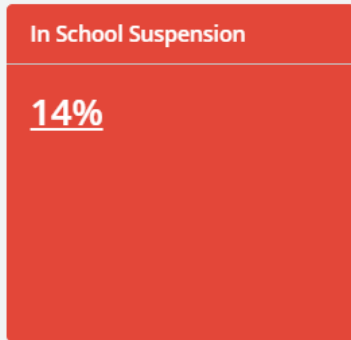
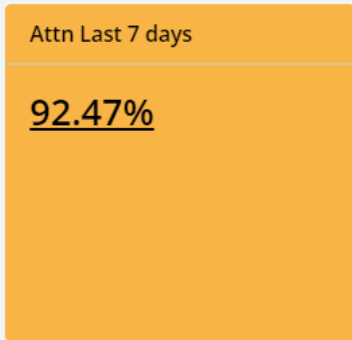
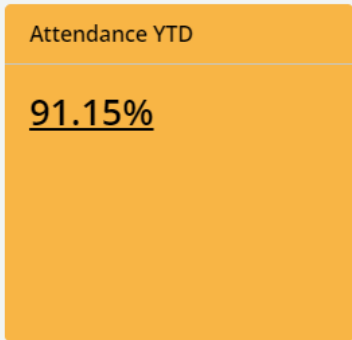
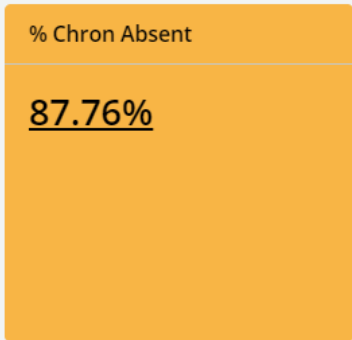
- Dashboards
- Utility Apps
- Developer Tools

Classroom
My Students

Overview | Class Roster | Student Data Wall

Integrated PD

Filter Data



- Dashboards**
 - Essentials
 - Risk Analysis
 - Student Readiness
 - Talent Analytics
 - Classroom
 - State Specific
 - Usage and Statistics
 - Custom Dashboards
- Utility Apps
- Developer Tools

- District-State**
 - Performance Indicators
- Enrollment**
 - Overview
 - Admissions
 - Withdrawals

- Programs**
 - Programs Overview
 - Programs Student List
 - Special Education (Advanced)
 - ELL

- Digital Learning Analytics**
 - Access
 - Engagement
 - Outcomes
 - Scheduling

- Attendance**
 - Overview
 - Chronic Absences
 - School Comparison
 - Classroom Absences

- Academics**
 - Achievement
 - Teacher Analysis
 - Core Subjects Summary
 - Academic Skills
 - AP

- Behavior**
 - Overview
 - Suspension Usage
 - Severe Incidents
 - Analysis
 - Ethnicity Analysis

- Assessments**
 - State Assessment
 - Progress Monitoring
 - ELL
 - SAT
 - Score Roster
 - Score Search

- Reporting**
 - Attendance and Behavior
 - Absence Reduction (PowerBI Example)
 - Reporting Listing

- Students**
 - Digital Data Wall

One-Stop Data Shop

Integrated PD

MALE	6,642	ASIAN	4,310	BLACK/AFRICAN AMERICAN	309	HISPANIC AMERICAN	4,029
PACIFIC ISLANDER	438	UNKNOWN	14	WHITE	2,831	ELL	4,732

Average Suspension Days	1.7
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Easy filtering

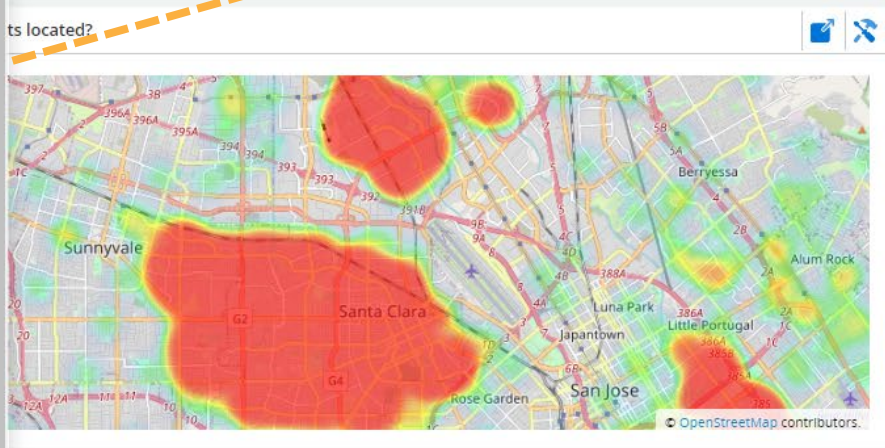
- Dashboards
- Utility Apps
- Developer Tools

Essentials
District-State

- Report Card
- District KPI's
- Performance Indicators**
- Readiness
- Gap Analysis

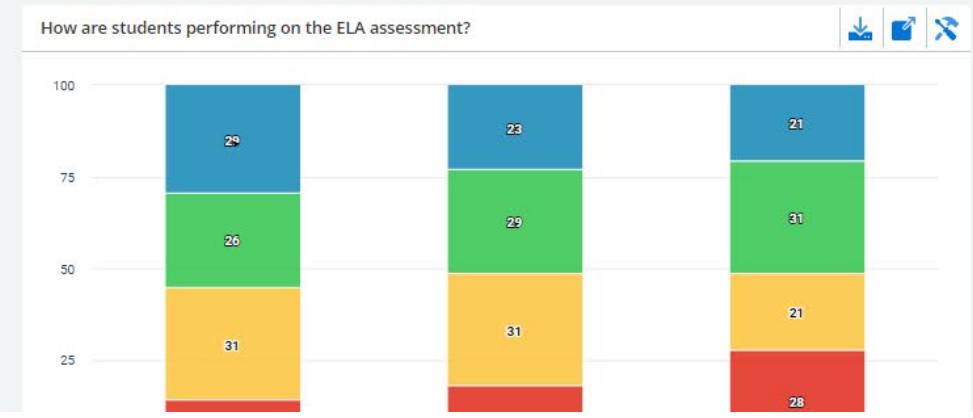
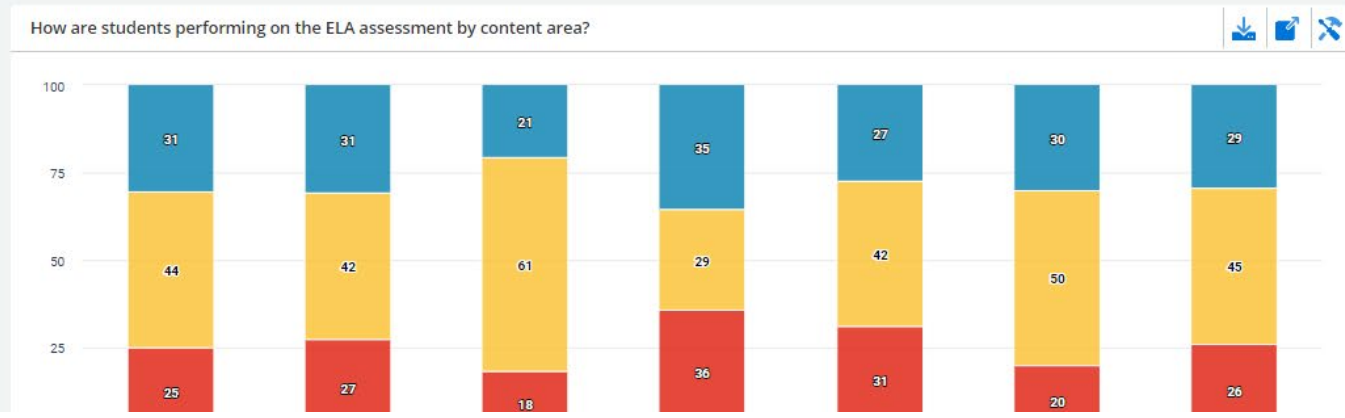
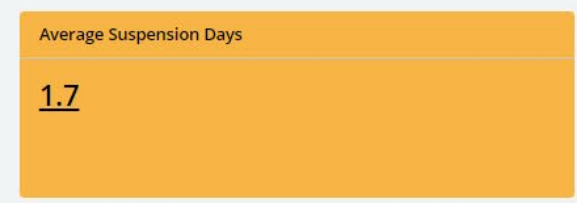
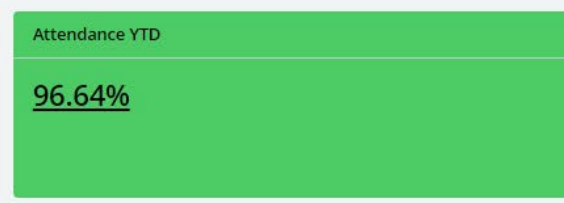
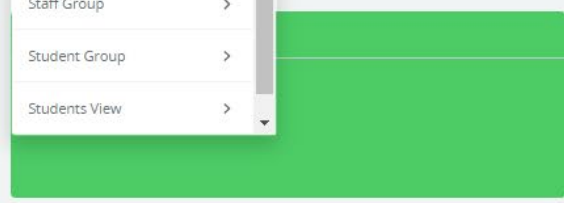
Integrated PD

- Filter Data**
- Currently Enrolled in this School
 - School
 - Grade
 - Staff
 - Ethnicity
 - Gender
 - SPED
 - SPED Type
 - ELL
 - F&RL
 - Staff Group
 - Student Group
 - Students View

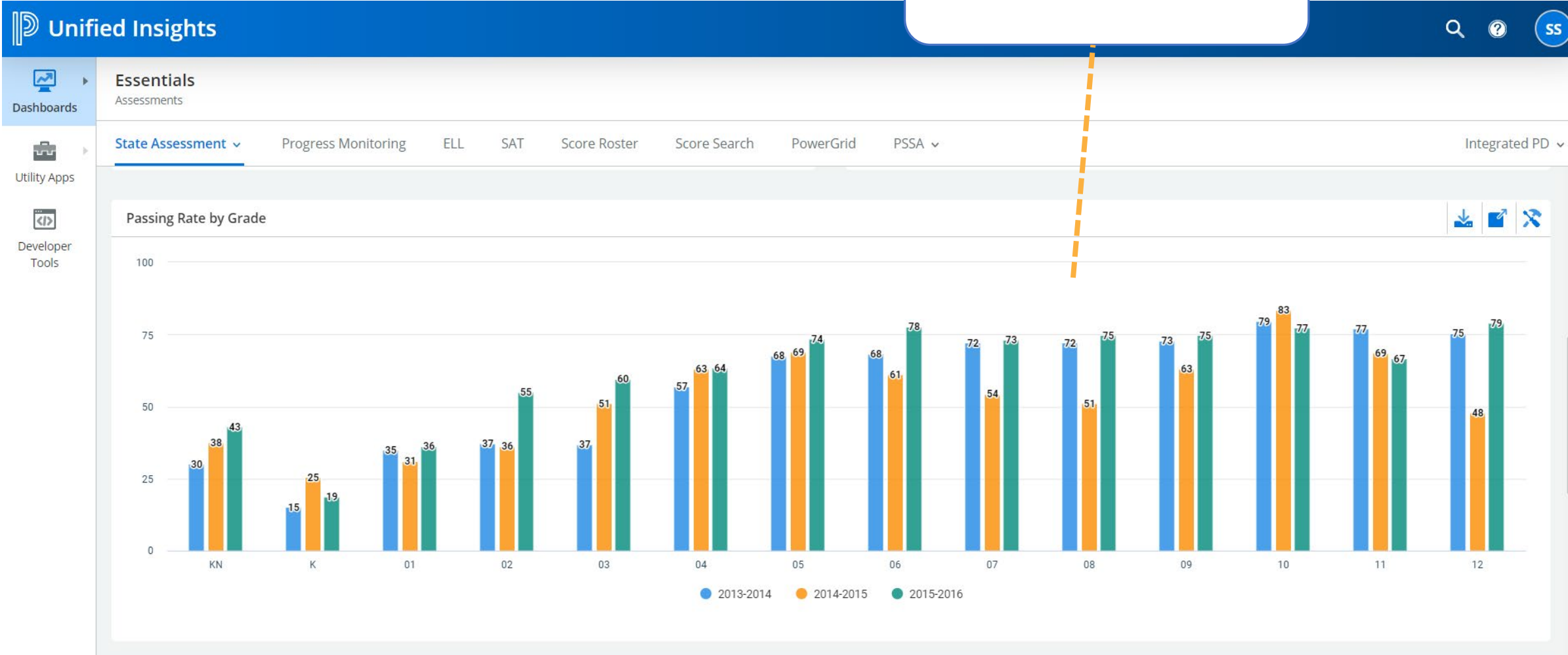


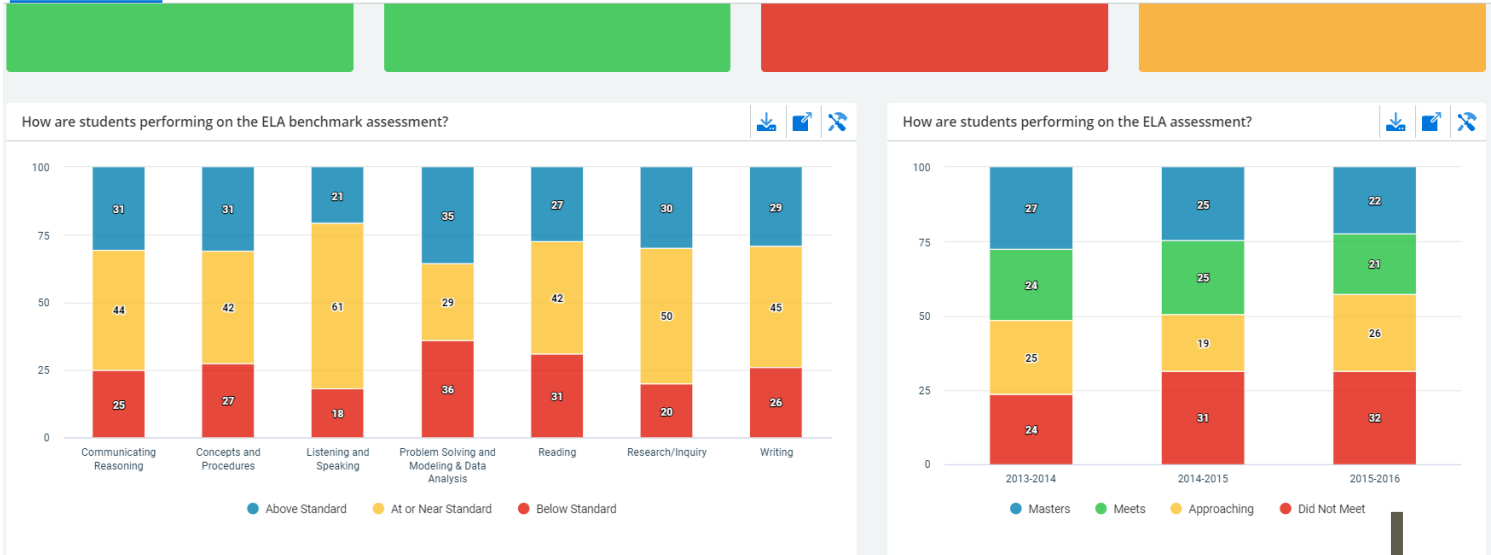
Demographic Information

TOTAL	FEMALE	MALE	ASIAN	BLACK/AFRICAN AMERICAN	HISPANIC
12,874	6,232	6,642	4,310	309	4,029
MULTIPLE	NATIVE AMERICAN	PACIFIC ISLANDER	UNKNOWN	WHITE	ELL
910	33	438	14	2,831	4,732
SPED					
1,214					



Longitudinal Analysis





Each visualization is drillable to the student or school level (assuming appropriate permissions)

Actions ▾

Total of 1069 row(s) with a row limit of 5000

PHOTO	STUDENT ID	NAME ↑	GRADE	RACE	GENDER	ELL	FRL	HOMELESS	504	SPED	YEAR	TEST PERFORMANCE
	1587935936	ABELLA, Maurice E.	08	Hispanic	Male	Yes	Paid	No	No	Yes	2015-2016	Did Not Meet
	2056081735	Abonce, Kenya S.	03	Hispanic	Female	Yes	Paid	No	No	No	2015-2016	Did Not Meet
	91497989	Abundiz, Tatiana A.	12	White	Female	Yes	Paid	No	No	No	2015-2016	Did Not Meet
	1881695885	Acuna, Jenna	02	White	Female	Yes	Paid	No	No	No	2015-2016	Did Not Meet
	1583785455	Adan, Rex	07	Hispanic	Male	Yes	Paid	No	No	Yes	2015-2016	Did Not Meet
	398799701	Adkins, Quincy M.	06	Hispanic	Male	Yes	Free	No	No	No	2015-2016	Did Not Meet
	508586109	AGUIAR, Kristina	01	Hispanic	Female	No	Paid	No	No	No	2015-2016	Did Not Meet
	1881906183	Agullar, Germain B.	02	Hispanic	Male	Yes	Free	No	No	No	2015-2016	Did Not Meet
	1011776363	Agullar, MARTHA	02	White	Female	Yes	Paid	No	No	No	2015-2016	Did Not Meet

