Texas Student Data System

TSDS Advisory Group – Project Update

April 21, 2011

Texas Student Data System

Agenda

- Brief TSDS refresher
- Updates since last meeting
  - Dashboard Development
  - Dashboard Demonstration
  - Prototype Phase Milestones
- Next steps
- Frequently Asked Questions

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Texas Student Data System

What is Texas Student Data System (TSDS)?

- A statewide system that will be available to all districts by 2014
- Integrate key data into TEA's P-20 data warehouse to better ***understand students' preparedness*** to contribute to the 21st century workforce
- A platform to deliver relevant and actionable operational data back to educators to ***continually improve performance***
- ***Intends to alleviate data collection burden*** on school districts and ***improve data quality*** by using data that resides in existing district systems

System is supported by the state but the *data only available to educators (not the public)*

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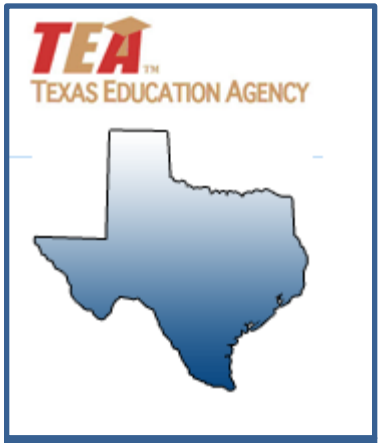
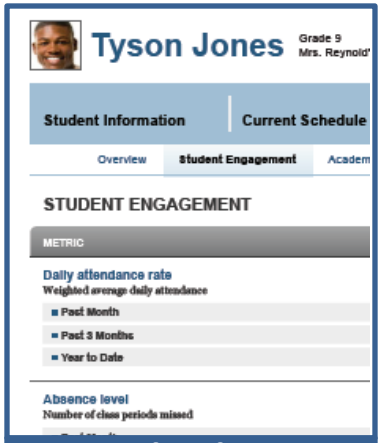
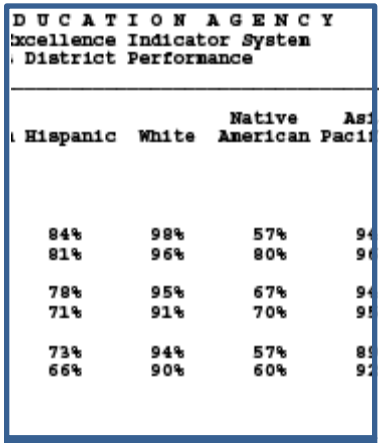
Key Components of TSDS



State-sponsored SIS



District Connections Database (DCD)



PEIMS

TPEIR

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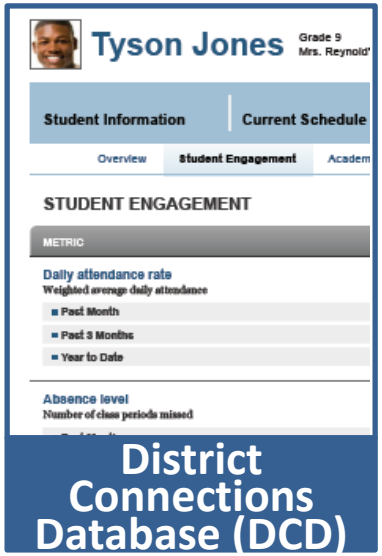
The District Connections Database

State-sponsored SIS



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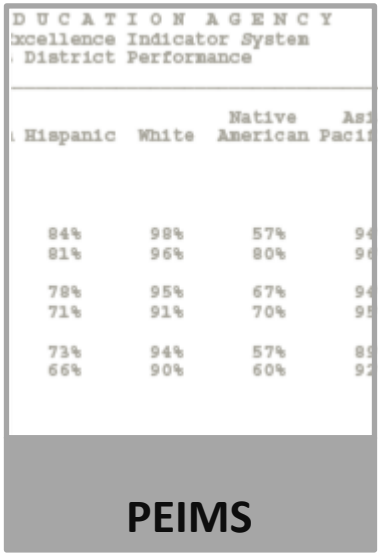

PEIMS

TPIER

- Student, campus, and district data snapshots
- System supported by the state but the data only available to educators
- DCD will eventually become conduit to submit student level PEIMS data
- However, no additional data requirements as a result of DCD implementation for PEIMS
- Loading of non-PEIMS data for educator dashboards is strictly optional and at the districts' discretion

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Texas Student Data System

Moving away from static, summary level reporting

TEXAS EDUCATION AGENCY
Academic Excellence Indicator System
2008-09 District Performance

Section I - Page 1

District Name: LUBBOCK ISD
District #: 152901

Indicator:		State	Region 17	District	African American	Hispanic	White	Native American	Asian/ Pacific Is	Male	Female	Special Ed	Econ Disad	LEP	At Risk
TAKS Met 2009 Standard Grade 3 (English) First Administration Only															
Reading	2009	90%	90%	88%	80%	85%	97%	*	> 99%	88%	88%	84%	84%	76%	74%
	2008	89%	90%	88%	79%	86%	95%	*	> 99%	88%	89%	80%	84%	87%	73%
Mathematics	2009	86%	83%	80%	66%	77%	94%	*	97%	82%	78%	79%	75%	81%	67%
	2008	85%	83%	81%	67%	79%	90%	*	98%	82%	81%	74%	76%	80%	66%
All Tests	2009	82%	80%	76%	60%	71%	91%	*	97%	77%	74%	75%	69%	66%	59%
	2008	80%	79%	77%	61%	73%	87%	*	98%	77%	77%	66%	71%	75%	57%
TAKS Met 2009 Standard Grade 3 (Spanish) First Administration Only															
Reading	2009	84%	95%	97%	*	97%	*	*	*	> 99%	95%	*	> 99%	> 99%	97%
	2008	83%	88%	87%	*	86%	*	*	*	87%	87%	*	88%	92%	87%
Mathematics	2009	79%	78%	81%	*	80%	*	*	*	81%	80%	*	74%	77%	77%
	2008	78%	82%	83%	*	83%	*	*	*	86%	80%	*	83%	83%	79%
All Tests	2009	75%	76%	78%	*	78%	*	*	*	82%	75%	*	74%	78%	74%
	2008	73%	78%	79%	*	78%	*	*	*	83%	73%	*	78%	80%	77%
TAKS Met 2009 Standard Grade 4 (English)															
Reading	2009	86%	85%	84%	74%	80%	95%	*	> 99%	82%	87%	69%	78%	63%	65%
	2008	85%	84%	83%	73%	79%	94%	*	> 99%	82%	84%	74%	76%	84%	68%
Mathematics	2009	88%	86%	86%	71%	83%	94%	*	> 99%	86%	85%	82%	81%	86%	65%
	2008	87%	86%	83%	71%	77%	95%	*	> 99%	83%	82%	73%	76%	89%	65%
Writing	2009	92%	91%	92%	87%	90%	96%	*	> 99%	89%	95%	78%	89%	90%	82%
	2008	93%	93%	93%	87%	92%	96%	*	> 99%	90%	95%	78%	90%	89%	82%
All Tests	2009	78%	75%	74%	57%	68%	89%	*	> 99%	71%	77%	56%	66%	62%	46%
	2008	77%	76%	73%	56%	66%	89%	*	> 99%	71%	75%	62%	63%	78%	51%
TAKS Met 2009 Standard Grade 4 (Spanish)															
Reading	2009	81%	77%	79%	*	78%	*	*	*	80%	77%	*	76%	74%	76%
	2008	77%	85%	90%	*	90%	*	*	*	86%	93%	*	88%	90%	90%
Mathematics	2009	80%	86%	85%	*	85%	*	*	*	93%	77%	*	83%	86%	83%
	2008	76%	81%	90%	*	90%	*	*	*	> 99%	86%	*	88%	90%	90%
Writing	2009	93%	86%	92%	*	92%	*	*	*	92%	92%	*	91%	95%	91%
	2008	91%	96%	> 99%	*	> 99%	*	*	*	> 99%	> 99%	*	> 99%	> 99%	> 99%
All Tests	2009	73%	67%	68%	*	67%	*	*	*	67%	69%	*	64%	70%	64%
	2008	69%	81%	88%	*	88%	*	*	*	88%	89%	*	86%	88%	88%

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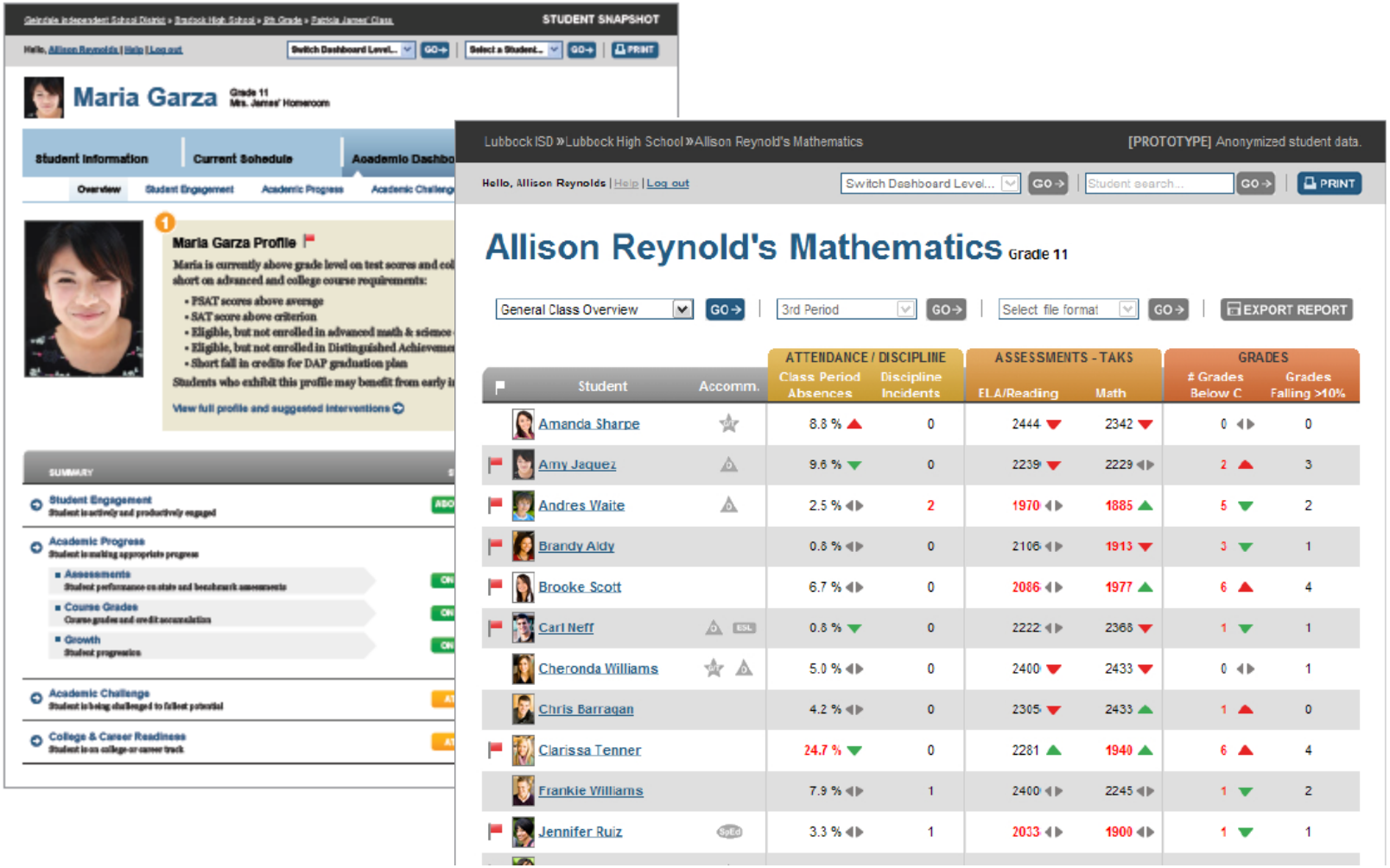
Moving to timely, comprehensive student and classroom dashboards for educators



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Dashboards – Key Overview Points

- **Dashboards contain research-based leading indicators vetted by educators**
  - Initial dashboards were designed by drawing from national education research and review of best practices across the country
  - Dashboards were reviewed by over 2,600 educators in Texas over the last 12 months
  - Revisions to dashboards based on stakeholder feedback

- **Dashboards include:**
  - Four levels of views: Student, Classroom, Campus, District
  - High School, Middle School and Elementary School appropriate metrics

- **The dashboards will enable an educator to:**
  - View their incoming class at a glance, and see a complete overview of students' historical performance and attendance metrics, as well as any special accommodations required
  - "Click-thru" on a specific student to get detailed information regarding assessment results, classroom performance, attendance and discipline issues, as well as contact information, mobility status, and other relevant data

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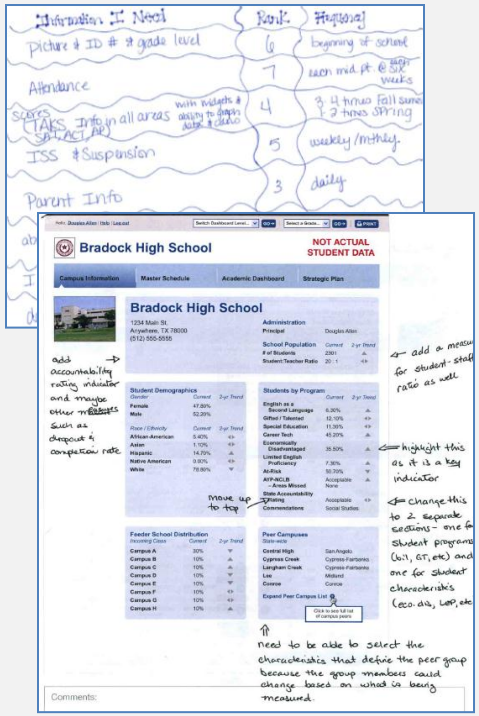
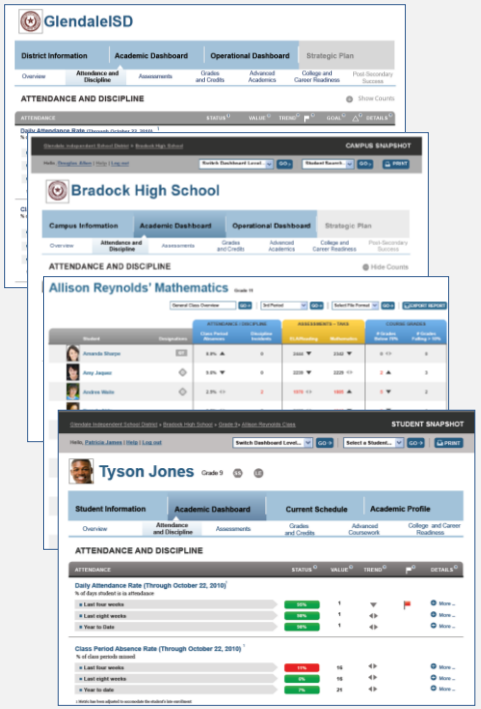
Progress Recap

Captured and Incorporated Feedback



Developed Vertical Reporting Tools



Completed Prototype Phase

Lubbock ISD
Every Child Every Day

ALLEN INDEPENDENT SCHOOL DISTRICT

REGION 10 EDUCATION SERVICE CENTER

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District Connections Database Demo

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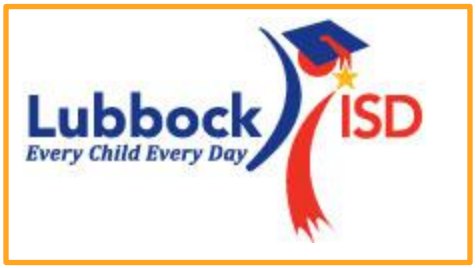
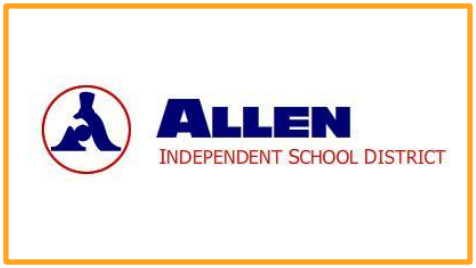
Prototype Phase Milestones

Prototype Phase I



- Developed prototype of High School Student and Campus metrics dashboards
- Created a data submission from the district to the DCD prototype, and powered portions of the dashboards using data supplied from SIS
- Demonstrated that a subset of PEIMS data could be generated by DCD

Prototype Phase II



- Incorporated additional data sources, including HR systems, PSAT, and local assessments
- Developed Middle School and Elementary School metrics
- Expanded metrics to include: teacher metrics, longitudinal metrics, PSAT, repeat courses, and benchmark assessments
- Refined User Interface, adding student icons, campus drill-downs and teacher view
- Leveraged Region 10 experience with district source data systems
- Successfully mapped the draft data standard to Region 10 SchoolViz business intelligence applications

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Next Steps: Limited Production Release (LPR)

DCD and dashboards will be made available to six districts through Limited Production Releases over the next two years. One new release approximately every four months, each adding a new district and expanded functionality

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Limited Production Release (LPR) Overview

Operational system	Upgrade prototype to provide FERPA compliant, single sign-on, secure access for four roles Minimum of six districts included in the LPR
Dashboards for all district users	Give educators easy access to student data Will include all grade levels and views for teachers, principals, and district administrators
Expanded functionality	Six releases over next two years, approx. one every four months Each adding additional district and functionality Includes metric drilldown, PEIMS submissions, data export, link to intervention suggestions
Built to scale statewide	Result in dashboards and data warehouse that can be scaled statewide Scale infrastructure phased in during limited production release
Test ability to reduce submissions burden	Will determine which other state and federal submissions can be fulfilled through DCD

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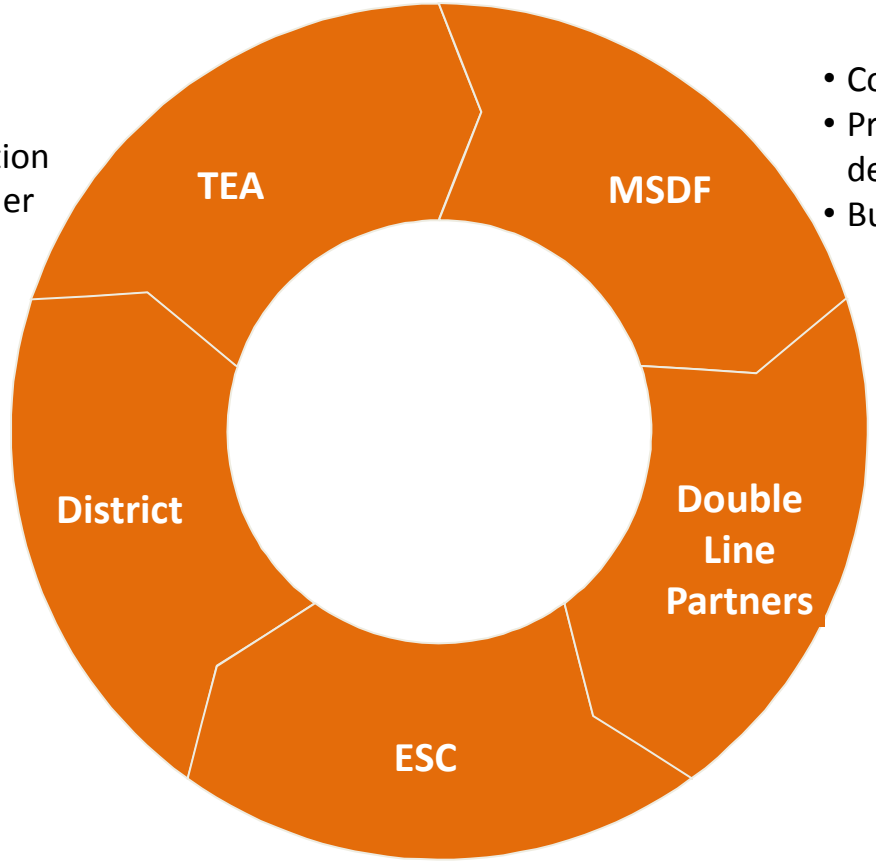
LPR Will Involve Multiple Partners

- Project sponsor
- Scalable architecture
- Data services and validation
- Plan training and customer support requirements
- Build statewide support



- Coordinate resources
- Provide input to development process
- Build statewide support

- District configurability
- Training
- Data quality

- Dashboard development
- Architecture integration

- District configurability
- Short-term hosting
- Training
- Customer support

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Limited Production Release - Estimated Timeline

FY10

- ✓Draft data dashboards defined
- ✓Dashboards finalized based on feedback
- ✓Stakeholder engagement
- ✓SLDS 2009 ARRA Grant Awarded
- ✓Draft data standard defined
- ✓Initial DCD (Dashboards) prototype

FY11

- ✓RFI for DW Solution Issued
- ***Draft Data Standards for DCD***
- ***Evaluate RFI Responses***
- ***Re-engineer Data Collection Business Processes***
- ❖Begin Limited Prod Releases 1-2
  - Requirements (Solution Components)
  - Issue RFO(s)
  - Select Vendor(s)

FY12

- ❖Limited Prod Releases 3-5
  - Dashboard Enhancements
  - Hosted DCD
  - Integration with SSIS
  - Integration with other SIS's
  - Interface with other Source Systems
  - PEIMS Collection through DCD

FY13

- ❖Limited Prod Release 6
  - Dashboard Enhancements
  - PEIMS Data Standards Published
- ❖Begin Production Deployment

FY14

- Continued Deployment to all Districts

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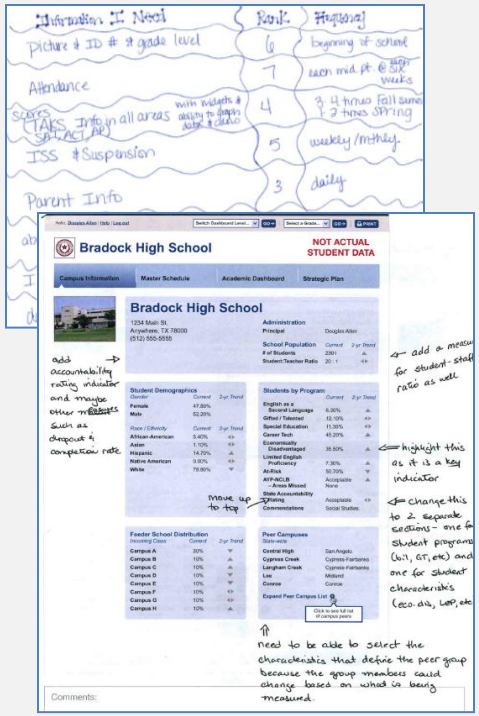

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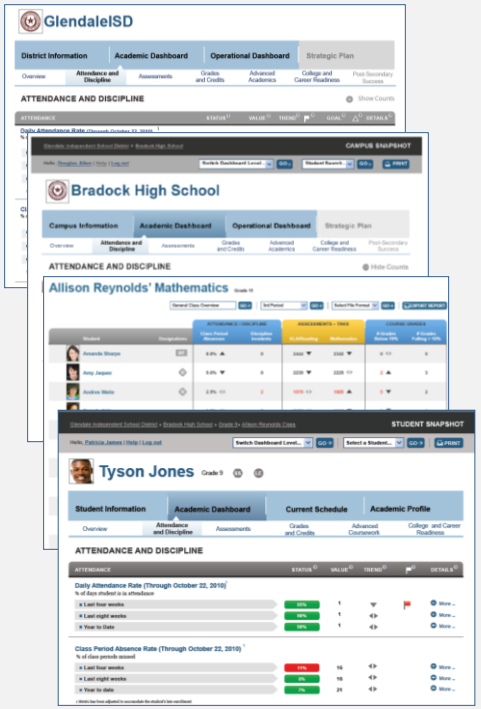

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