

Texas Student Data System



TSDS Advisory Group – Project Update

April 21, 2011

Agenda

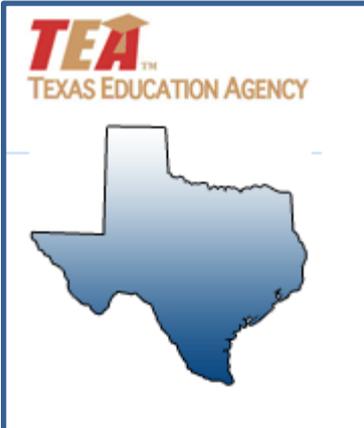
- Brief TSDS refresher
- Updates since last meeting
 - Dashboard Development
 - Dashboard Demonstration
 - Prototype Phase Milestones
- Next steps
- Frequently Asked Questions

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)*

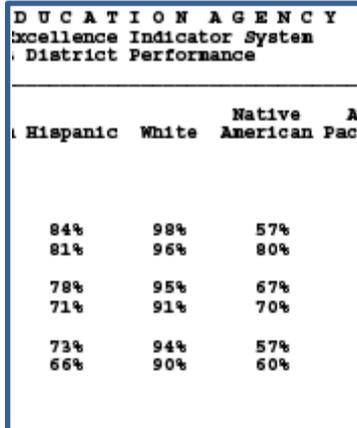
Key Components of TSDS



State-sponsored SIS



District Connections Database (DCD)



EDUCATION AGENCY Excellence Indicator System District Performance				
	Hispanic	White	Native American	Asian
	84%	98%	57%	94%
	81%	96%	80%	90%
	78%	95%	67%	94%
	71%	91%	70%	95%
	73%	94%	57%	89%
	66%	90%	60%	92%

PEIMS



The District Connections Database



State-sponsored SIS



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	66%	90%	60%	92%

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

Moving away from static, summary level reporting

District Name: LUBBOCK ISD
District #: 152901

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

Section I - Page 1

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%	

Moving to timely, comprehensive student and classroom dashboards for educators

STUDENT SNAPSHOT

Del Rio Independent School District » Del Rio High School » 9th Grade » Patrick James' Class

Hello, Allison Reynolds | Help | Log out

Switch Dashboard Level... GO → Select a Student... GO → PRINT

Maria Garza Grade 11 Mrs. James' Homeroom

Student information | Current Schedule | Academic Dashboard

Overview | Student Engagement | Academic Progress | Academic Challenge

Maria Garza Profile

Maria is currently above grade level on test scores and could be short on advanced and college course requirements:

- PSAT scores above average
- SAT score above criterion
- Eligible, but not enrolled in advanced math & science
- Eligible, but not enrolled in Distinguished Achievement
- Short fall in credits for DAP graduation plan

Students who exhibit this profile may benefit from early interventions.

View full profile and suggested interventions

SUMMARY

- Student Engagement** Student is actively and productively engaged ABO
- Academic Progress** Student is making appropriate progress
 - Assessments Student performance on state and benchmark assessments ON
 - Course Grades Course grades and credit accumulation ON
 - Growth Student progression ON
- Academic Challenges** Student is being challenged to fulfill potential AT
- College & Career Readiness** Student is on college or career track AT

Lubbock ISD » Lubbock High School » Allison Reynolds' Mathematics [PROTOTYPE] Anonymized student data.

Hello, Allison Reynolds | Help | Log out

Switch Dashboard Level... GO → Student search... GO → PRINT

Allison Reynolds' Mathematics

 Grade 11

General Class Overview GO → | 3rd Period GO → | Select file format GO → | EXPORT REPORT

Student	Accomm.	ATTENDANCE / DISCIPLINE		ASSESSMENTS - TAKS		GRADES	
		Class Period Absences	Discipline Incidents	ELA/Reading	Math	# Grades Below C	Grades Falling >10%
Amanda Sharpe	★	8.8 % ▲	0	2444 ▼	2342 ▼	0 ◀▶	0
Amy Jaquez	▲	9.6 % ▼	0	2239 ▼	2229 ◀▶	2 ▲	3
Andres Waite	▲	2.5 % ◀▶	2	1970 ◀▶	1885 ▲	5 ▼	2
Brandy Aldy		0.8 % ◀▶	0	2106 ◀▶	1913 ▼	3 ▼	1
Brooke Scott		6.7 % ◀▶	0	2086 ◀▶	1977 ▲	6 ▲	4
Carl Neff	▲ ESL	0.8 % ▼	0	2222 ◀▶	2368 ▼	1 ▼	1
Cheronda Williams	★ ▲	5.0 % ◀▶	0	2400 ▼	2433 ▼	0 ◀▶	1
Chris Barraquan		4.2 % ◀▶	0	2305 ▼	2433 ▲	1 ▲	0
Clarissa Tenner		24.7 % ▼	0	2281 ▲	1940 ▲	6 ▲	4
Frankie Williams		7.9 % ◀▶	1	2400 ◀▶	2245 ◀▶	1 ▼	2
Jennifer Ruiz	SpEd	3.3 % ◀▶	1	2033 ◀▶	1900 ◀▶	1 ▼	1

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

Progress Recap

Captured and Incorporated Feedback

Information is needed

- Picture & ID # & grade level
- Attendance
- ISS # Suspension
- Parent Info

Handwritten notes:

- 6 beginning of school
- 7 learn mid pt @ 5th weeks
- 4 3-4 times fall same 2 times spring
- 5 weekly/monthly
- 3 daily

Annotations on Bradock High School dashboard:

- NOT ACTUAL STUDENT DATA
- add accountability rating indicator and maybe other metrics such as checkmark & completion rate
- add a menu for student-stud ratio as well
- highlight this as it is a key indicator
- change this to 2 separate sections - one for student programs (w/1, or, etc) and one for student characteristics (eco, aia, w/e, etc)
- move up to top
- need to be able to select the characteristics that define the peer group because the group members could change based on what is being measured.

Developed Vertical Reporting Tools

GlendaleISD

- District Information
- Academic Dashboard
- Operational Dashboard
- Strategic Plan

Bradock High School

- Attendance and Discipline
- Assessments
- Grades and Credits
- Advanced Academics
- College and Career Readiness
- Post-Secondary Success

Allison Reynolds' Mathematics

- Attendance and Discipline
- Assessments
- Grades and Credits
- Advanced Academics
- College and Career Readiness
- Post-Secondary Success

Tyson Jones

- Student Information
- Attendance and Discipline
- Assessments
- Current Schedule
- Academic Profile

ATTENDANCE AND DISCIPLINE

Daily Attendance Rate (Through October 22, 2016)

% of days present in attendance	100%	1	49
% of days present in attendance	100%	1	49
% of days present in attendance	100%	1	49

Class Period Absence Rate (Through October 22, 2016)

% of days present in attendance	100%	16	49
% of days present in attendance	100%	16	49
% of days present in attendance	100%	16	49

Completed Prototype Phase



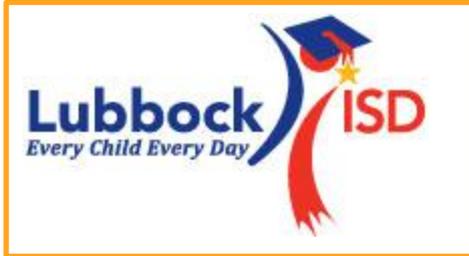
Texas Student Data System



District Connections Database Demo

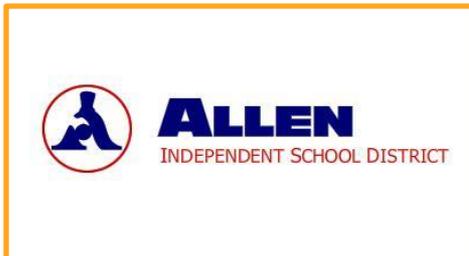
Prototype Phase Milestones

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



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

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



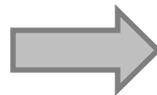
Six releases over next two years, approx. one every four months
Each adding additional district and functionality
Includes metric drilldown, PEIMS submissions, data export, link to intervention suggestions

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

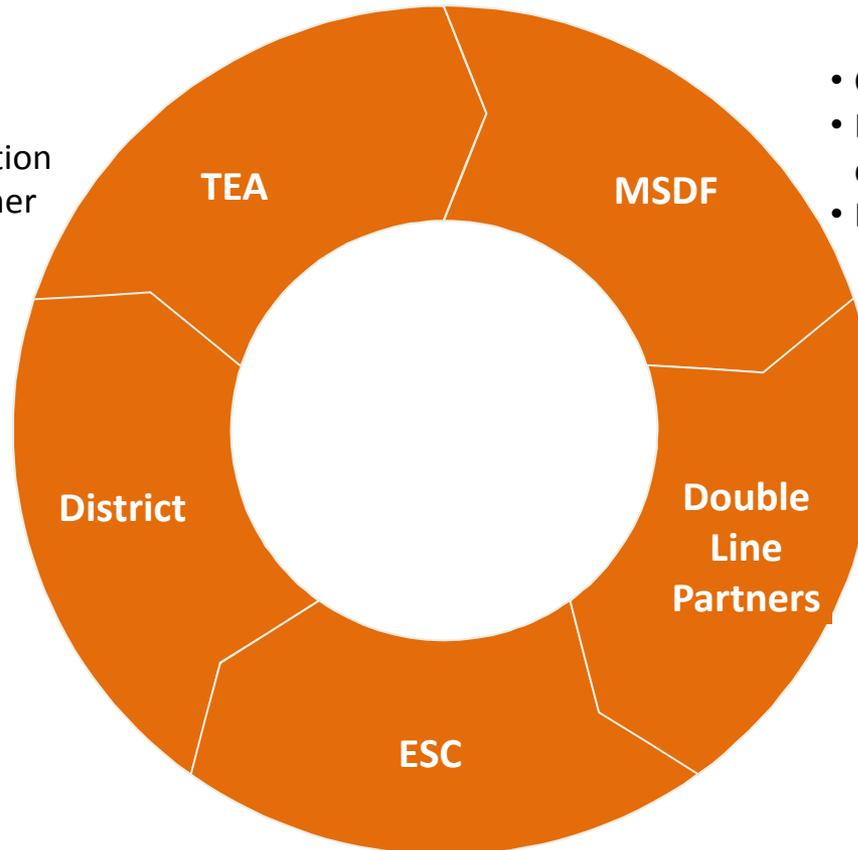


Will determine which other state and federal submissions can be fulfilled through DCD

LPR Will Involve Multiple Partners

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

- District configurability
- Training
- Data quality

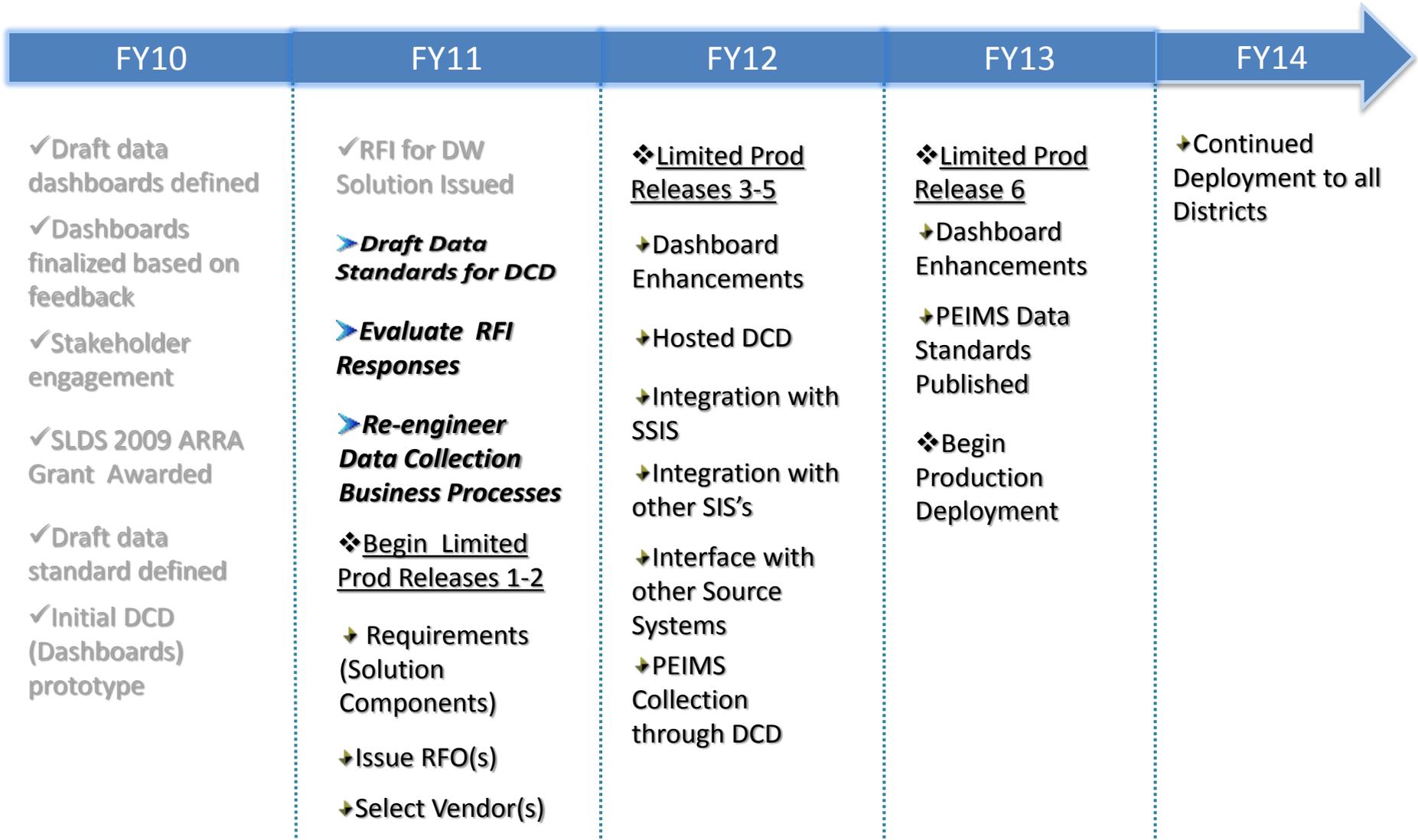


- Coordinate resources
- Provide input to development process
- Build statewide support

- Dashboard development
- Architecture integration

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

Limited Production Release - Estimated Timeline



Progress Recap

Captured and Incorporated Feedback

Handwritten Notes:

- Information is Novel
- Picture & ID # # grade level
- Attendance
- ISS # Suspension
- Parent Info
- with details & easy to open after a class
- 3-4 times fall same 2 times spring
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- daily

Annotations on Screenshot:

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Allison Reynolds' Mathematics Student Snapshot: Overview, Attendance and Discipline, Assessments, Grades and Credits, Advanced Academics, College and Career Readiness, Post Secondary Success.

Tyson Jones Student Snapshot: Overview, Attendance and Discipline, Assessments, Grades and Credits, Advanced Academics, College and Career Readiness, Post Secondary Success.

Completed Prototype Phase



Texas Student Data System



www.texasstudentdatasystem.org