The Future of Data Collection and Sharing in Texas

11/8/2011
Agenda

10:30 - 10:40  TSDS Overview and Goals
10:40 - 10:50  EDW and TSDS Dashboards
10:50 - 11:10  Dashboard Demonstration
11:10 - 11:40  State-Sponsored SIS
11:40 - 11:45  Q&A
It’s time for a change

Here’s what most teachers know about a new student in their classroom.
It’s time for a change

Here’s what most PEIMS coordinators face at submission time
Data Collection and Information Sharing Today - Room for Improvement

Districts spend significant time providing data to TEA for PEIMS

Cost to districts is extremely high, estimated to be $323M annually statewide

Data that is shared back with district is not timely and is not in a particularly useful format

Data rarely makes its way to the educators best positioned to improve student achievement
Texas Student Data System (TSDS) is the Vision for Data Collection and Sharing in Texas

Enable 100% of educators to have access to timely, relevant, actionable data to drive classroom and student success

➢ A data system for teachers, designed by teachers.
➢ Delivers relevant, timely and actionable student data back to educators to continually improve performance
➢ A “One stop shop” for student data available anywhere - brings together student information from multiple sources
➢ Reduces reporting and collection burden to districts
➢ Requires no additional data input
➢ Available free of charge to all Texas districts
➢ Creates a common data standard that enables vendors to provide districts additional tools at a low cost
TSDS encompasses four key projects

- Opt-in, voluntary SIS
- TEA is considering multiple options on the model for offering state-sponsored SIS
- TSDS will integrate with other SIS’s – no requirement or mandate to switch

- Powers student, campus, district data dashboards
- System supported by the state but the data only available to educators
- Will become conduit to submit PEIMS data
- Loading of non-PEIMS data is strictly optional and at the districts’ discretion

- XML data standard will make it easier to submit and certify data
- Realign statewide data collection standards and protocol for districts

- Expanded to link pre-K, college readiness, and workforce data
- Load college readiness test score collections (SAT, ACT, AP Test data)
EDW and TSDS Dashboards
Future state: Migrate to one near real-time data source for most reporting purposes.

- District SIS
- State-sponsored SIS
- Voluntary data
- PEIMS data
- EDW
- PEIMS
- TPEIR
- Districts submit data 4x/year
- TEA will connect K-12 data with pre-K, college readiness, workforce data
- Dashboards filled out with as much data as districts upload

District Environment Only

TEA Environment Only
Future state: Timely, actionable student and classroom dashboards for educators
Dashboards are Grounded in Best Practices and Vetted by Educators

- Initial dashboards based on national education research and review of best practices across the country
- Received and incorporated feedback on dashboard from 2,600 educators in Texas
- Enhancements to dashboards based on stakeholder feedback
Dashboards Consist of Four Levels Driven by Individual Student Data

- District/LEA
- Campus
- Classroom
- Student

Drill down to the individual Student level from any aggregate view.

Data originates at the Student Level and rolls up to aggregate views.
Dashboards are Intuitive and Comprehensive for Educators

- View incoming class at a glance, and see an overview of students’ historical performance and attendance, as well as any special accommodations required.

- Recognize patterns and easily pinpoint areas for further action with visual indicators such as flags, status bars and icons.

- “Click-thru” on a student to get detailed information regarding assessments, performance, attendance and discipline, as well as contact, mobility, and other relevant data.

- Dashboard data will include the most recent source data, enabling decisions to be made on current data instead of outdated accountability information.
Feedback from pilot districts has been positive

“This will be so valuable in communicating with parents.”

“I do LOVE that now I can access info about absences, credits, college readiness, etc. at the same time!”

“With this data we would be able to identify and challenge our power kids!”

100% of Lubbock ISD training participants said they are likely or very likely to recommend the TSDS tools to their colleagues
Statewide implementation beginning for 2013 - 2014 academic year

- **Late-2009**: Draft data snapshots defined, Stakeholder engagement
- **2010**: Draft data standard defined, Snapshots finalized based on feedback
- **2011**: Transfer tested data standard, Initial DCD prototype
- **2012**: Limited Product Release Phase
- **2013**: First release to Lubbock ISD and Allen ISD in September 2011. Expand to 3rd district in December 2011.
- **2014**: Statewide implementation of DCD and dashboards

- Field test and acceptance of data standard
- District Connections Database Implemented
- State-Sponsored SIS requirements released
- Integrate SSIS and DCD

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Dashboard Demonstration
Dashboards will include specific administrator tools.

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**Bradock High School**

**OVERVIEW**

**REPORTS**

- **Incoming Classes**
  - Composition of incoming classes
  - 1,573 Total Students

- **Freshmen Watchlist**
  - Academic and attendance warnings for first-time freshmen
  - 27 Students on Freshmen Watchlist

- **Freshmen Success**
  - Attendance and core academic performance of first-time 9th graders
  - 73 Students on Watchlist

- **Accountability Snapshot**
  - Accountability view based on prior year student performance
  - Accountability Rating: Acceptable

- **Credit Recovery Report**
  - Students who are either 1–2 credits off pace to graduation or on pace but with core course failures
  - 121 Students on Credit Recovery List

- **College Enrollment Pipeline**
  - College enrollment pipeline among 9th grade students
  - 21% of 9th Graders College Ready

- **Teacher/Classroom Detail**
  - Student characteristics and student performance by teacher
  - 17% of teachers had students with 1+ year growth

- **Performance of TAKS Failers**
  - Performance of students who have previously failed TAKS tests
  - 67% of prior failers passed TAKS
Incoming Class Profile

Braddock High School

INCOMING CLASSES
Fall 2016 - Total 9th Grade Students

- 673 ED8 8th Graders
- 54 Transfer Out
- 27 Drop Out
- 41 Overage/Repeater
- 51 Transfer In
- 684 Total Class

Fall 2016 - Grade-Level Distribution by Cohort

- 9th: 643 Class of 2016, 57 Class of 2014, 589 Class of 2013, 549 Class of 2011
- 10th: 665 Class of 2016, 41 Class of 2014, 609 Class of 2013, 543 Class of 2011
- 11th: 651 Class of 2016, 41 Class of 2014, 609 Class of 2013, 543 Class of 2011
- 12th: 651 Class of 2016, 41 Class of 2014, 609 Class of 2013, 543 Class of 2011
## Teacher/Classroom Detail

### Bradock High School

### TEACHER/CLASSROOM DETAIL

Classroom Characteristics By Teacher

<table>
<thead>
<tr>
<th>TEACHER</th>
<th>Teaching In-Field</th>
<th>Attendance &lt;50%</th>
<th>2+ Discipline Incidents</th>
<th>On-Track to Grad</th>
<th>ELA</th>
<th>Math</th>
<th>Science</th>
<th>Social Studies</th>
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<tr>
<td>Teacher #1</td>
<td>Yes</td>
<td>0%</td>
<td>0%</td>
<td>100%</td>
<td>78%</td>
<td>74%</td>
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<td>Teacher #2</td>
<td>Yes</td>
<td>5%</td>
<td>2%</td>
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<td>64%</td>
<td>60%</td>
<td>82%</td>
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<td>24%</td>
<td>40%</td>
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<td>81%</td>
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<td>90%</td>
<td>55%</td>
<td>59%</td>
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<td>Teacher #5</td>
<td>No</td>
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<td>7%</td>
<td>91%</td>
<td>38%</td>
<td>84%</td>
<td>90%</td>
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<td>1%</td>
<td>0%</td>
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<td>51%</td>
<td>79%</td>
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<td>80%</td>
<td>71%</td>
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<td>Teacher #8</td>
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<td>27%</td>
<td>42%</td>
<td>44%</td>
<td>51%</td>
<td>55%</td>
<td>52%</td>
</tr>
</tbody>
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State-Sponsored Student Information System
SSIS Goals

- Decrease SIS costs for LEAs
- Provide enhanced features and richer data for reporting
- Streamline with Software as a Service (SaaS) - 24/7 availability accessible from anywhere
- Support PEIMS data standards and submissions
- Provide “near” real-time data for LEAs
Benefits of SaaS

- No need to purchase infrastructure software
- No expenditures on hardware
- Reduced need to purchase third party tools, modules and applications
- No software or hardware replacement needed in ongoing years
- Reduced spending on IT operations
- Reduced support costs
- No application and infrastructure re-implementation costs in years 3 to 5
SSIS Contracts

- Two SSIS vendors
- SSIS contracts are umbrella agreements that allow the LEA to purchase without the need for an RFP or RFO
- Each LEA will have a separate contract with the vendor
- Contract Management teams will oversee the Service Level Agreements to include:
  - SSIS availability
  - Performance
  - Business continuity
- Not-to-exceed pricing allows LEA to negotiate with vendor
SSIS Vendor: Skyward, Inc.

- Wisconsin-based provider of administrative software solutions for K-12 schools since 1980
- Provides software for more than 1,400 LEAs of all sizes around the globe
- Ten (10) regional offices across the country, including Dallas and Austin
- Serves 177 LEAs in Texas with almost 900,000 students
SSIS Vendor: TCC

- San Antonio-based provider of administrative software solutions for K-12 schools since 1970
- Provides student management software to 767 LEAs of all sizes in Texas
- Delivers service via nineteen (19) regional Education Service Centers (ESCs) in Texas
- Serves over 900,000 students
Your Decision to Participate in the SSIS

- How will the SSIS lower costs for our district?
- Will the SSIS offer additional features we want?
- What other applications will we need?
- Will we be able to drop any applications we use now?
- What kind of support will our staff need to provide?
- Will we be able to reduce hours spent on SIS and reporting-related functions?
Use TCO to Understand True Costs

- **Direct costs** –
  - Tangible and understood: hardware, software, formal support

- **Indirect costs** –
  - Ancillary applications or other technology to support main system
  - Labor for local informal and supplementary support
  - Power and space
  - Can add 60% – 100% to cost
The SSIS TCO Workbook

“Understanding and consolidating direct and indirect costs tends to lead to lower overall spending.”

--Gartner

- Cost comparisons spread over 5 years
- Evaluates direct and indirect costs of a SIS solution
- Permits you to add/remove costs of ancillary products and support to fit scenario to your organization
- Compares “as is” situation with possible “to be” scenarios
What can you do next?

- Get your copy of the TCO Workbook/vendor agreements at: http://www.texasstudentdatasystem.org/ssis-advisory/

- Fill out the survey at: http://www.surveymonkey.com/s/totalcostownership

- Contact either the Skyward or the TCC Contract Management teams for help with the workbook by sending email to TSDS_Admin@tea.state.tx.us.

- Contact TEA’s TSDS Change Manager with any general questions about the Texas Student Data System. David.Butler@tea.state.tx.us.
Questions
Additional Detail
Support Included

- **Access to SSIS Vendor’s Support**
  - Phone support
  - Staffed phone support from 7am to 6pm M-F (excluding Holidays)
  - 800 number for critical incidents outside of business hours with on-call staff
  - Web portal support 24x7 with escalation of critical incidents
  - LEAs entitled to multiple contacts based on enrollment

- **Support Levels**
  - Level 1 support provided by either LEA and/or ESC
  - Level 2/3 support provided by SSIS software vendor
Levels of Support

LEA Question/Incident

Level 1 Support (LEA and/or ESC)
- How to use software
- Assistance with data entry
- Running reports
- Basic troubleshooting

Level 2 Support (SSIS Vendor)
- Any “how to” not resolved at Level 1
- Deeper troubleshooting
- Incident replication

Level 3 (SSIS Vendor)
- Remedy of software defects
- Escalations to RDBMS vendor
- Data Center incidents