Executive Summary
Prepared for Board of Trustees Meeting
August 23, 2011

Data Warehouse

***Board Goal*:** In pursuit of excellence the district will

    I.   Vision…
- Develop and maintain a culture where learning remains our first priority

    II.   Teaching and Learning…
- Stay abreast of and incorporate best practices into teaching, learning, technology and leadership
- Advocate and practice true accountability based on measurement of individual student progress over time, regardless of external mandates

Purpose of Report

The purpose of this report is to update and inform the DISD trustees on the significance of real time or near real time data for teacher, campus and district use. The current accountability system in Texas focuses on end of year results, rather than real time, or near real time formative data. This data, when analyzed effectively using predictive analytics will allow educators to not only provide intervention in a timely manner, but may also allow educations to prevent student failure and attrition all together. The project outlined in this report will be designed to provide near real time data to the classroom teacher, parents, teachers, principals, and administrators throughout the school year regarding student growth and progress, to provide building level leaders and district administrators a method to identify areas to support struggling students in the student learning process, and to identify areas of efficiency and effectiveness at the campus and district level.

Objectives

The Project is to build a real-time data warehouse for teachers, principals and administrators with dashboards for:

- On-track/Off-track student indicators
- Classroom Effectiveness
- Efficiency/Effectiveness by school

The Denton ISD Education Data Warehouse will serve as the main accountability reporting system in a secure role-based, user friendly, web-accessible system. The following data will be included:
- student performance

- student information
- finance
- human resources

Operational Impact

A timeline for implementation will be provided as part of the board presentation. The project will be designed in different phases, allowing for DISD to design the tool as necessary. The initial fiscal impact and scope of work is attached for your review.

Results

Results of this initiative will allow the DISD teachers access to near real time student information allowing for modifications or enhancements to current instructional practices. Access to such information should equate to improved student learning.

More in depth evaluation of specific intervention and prevention measures will provide DISD with data regarding effectiveness of DISD initiatives, programs, etc.

Project design will provide DISD meaning information regarding the effectiveness and efficiency of district expenditures.

Other Options

No other options are considered at this time.

Attachments

Attachment 1: DISD Sharepoint Scope of Work (SOW)
Attachment 2: DISD Sharepoint Phase 2 Scope of work (SOW)
Attachment 3: Research Article: EDC Final Merged Print