

# **Technology in Wisconsin's Schools**

Parent Advisory Council  
August 2011

# Focus Today

Digital Learning - Where are we going in WI?

Data and Information Systems - How do we add value and save resources?

Learning in Classrooms - What technology-related efforts are being started NOW?

# Digital Learning Advisory Council

Charge - Provide oversight of all aspects of digital learning in Wisconsin. Develop a comprehensive strategy for digital learning in Wisconsin. Provide recommendations to the State Superintendent on initiatives that promote and advance digital learning.

# DLAC Topics

- Policy and procedures
- Curriculum and assessment
- Instruction and pedagogy
- Professional learning
- Data and information systems
- Hardware and infrastructure

# Policies and Procedures

- Explore policies that promote responsible use of technology in learning environments including BYOD
- Promote safe and ethical use of the Internet by all students and educators
- Promote technology use to ensure learning is authentic, relevant, and meaningful to students
- Recommend digital curriculum including digital textbooks, project collaboration tools like wikis, and learning management systems

# Curriculum and Assessment

- Focus learning on the most relevant skills that ensure all students in Wisconsin graduate being effective users of information and technology skills while creating productive workers and engaged citizens
- Examine and recommend digital tools for formative (e.g., blogs and e-portfolios), benchmark, and summative assessment
- Provide focus for keeping technology related learning goals contemporary to the needs of the Wisconsin workplace

# Instruction and Pedagogy

- Create opportunities to personalize learning for each student using digital tools
- Recommend school to work relationships in the technology area
- Recommend service learning and project based learning through partnerships with businesses, public libraries, and community agencies
- Promote the best models of offering online courses within a traditional school, hybrid or “brick and click” schools and programs and for stand alone digital schools

# Professional Learning

- Recommend alternative professional development options beyond face-to-face including professional learning communities (PLCs) in [virtual collaboration spaces](#)
- Explore the essential elements of professional development needed to address the varying needs of our educators and investigate approaches for delivering those services

# Data and Information Systems

- Evaluate opportunities for systems centralization that facilitates (and does not deter) digital learning across districts, schools, and programs and improves productivity
- Create information systems that support all stake holders in learning including teachers, administrators, parents, and policy makers

# Hardware and Infrastructure

- Define needs including wireless, broadband, computing devices of all types including mobile technology
- Define the "model" classroom in terms of integrating technology
- Investigate ways to provide access to broadband and technology in the community including at libraries and within households with students to support learning beyond school and facilitate learning opportunities within entire communities

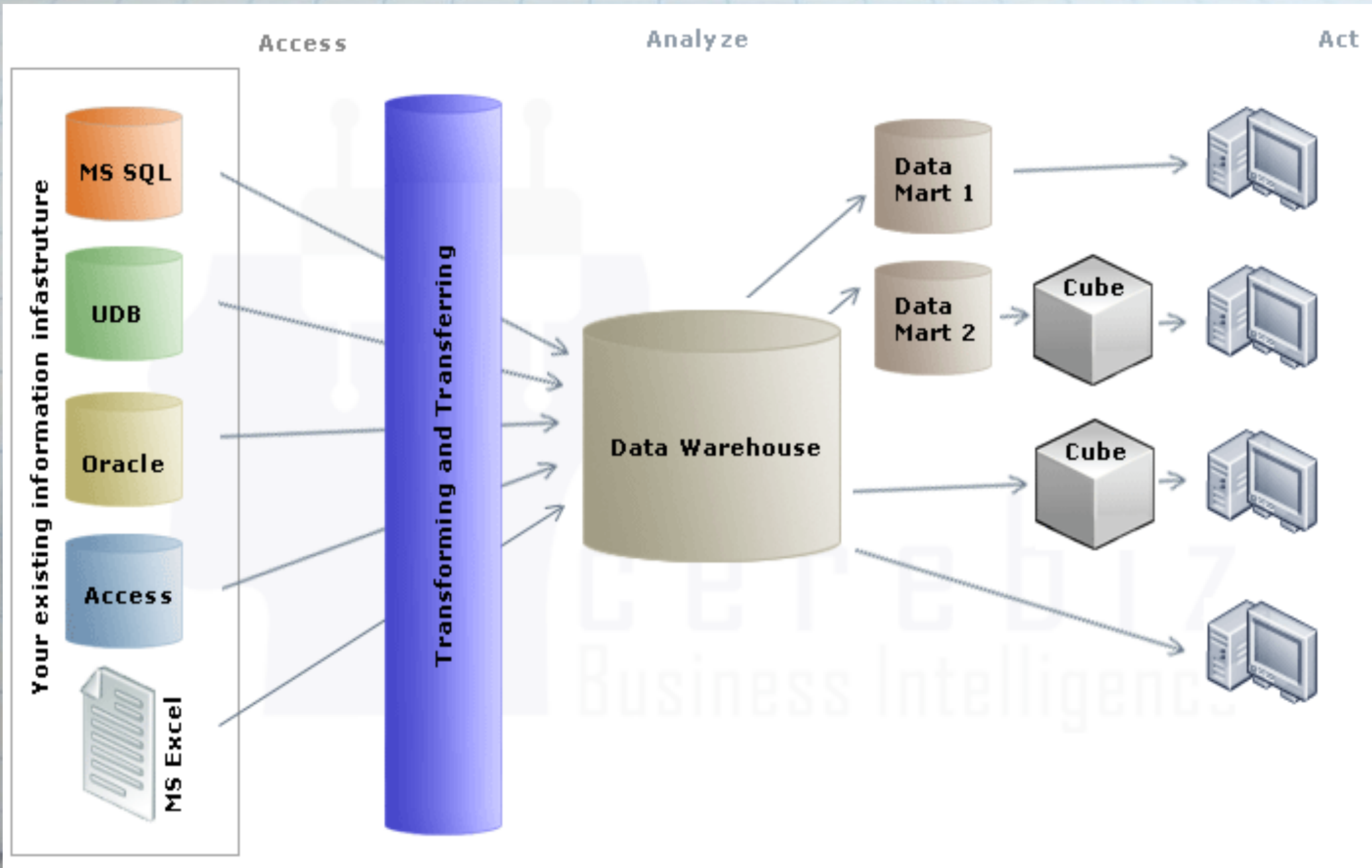
# Statewide Information Systems

Goal - Centrally managed systems that reduce cost and increase value for all districts

## Project #1

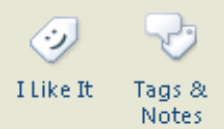
- Initiate this idea with a "business intelligence" data analysis and reporting tool for use with statewide data warehouse
- Create a central **portal page** where all DPI data-related tools can be accessed to improve on navigation issues, i.e., a data "dashboard"

# Data Warehousing





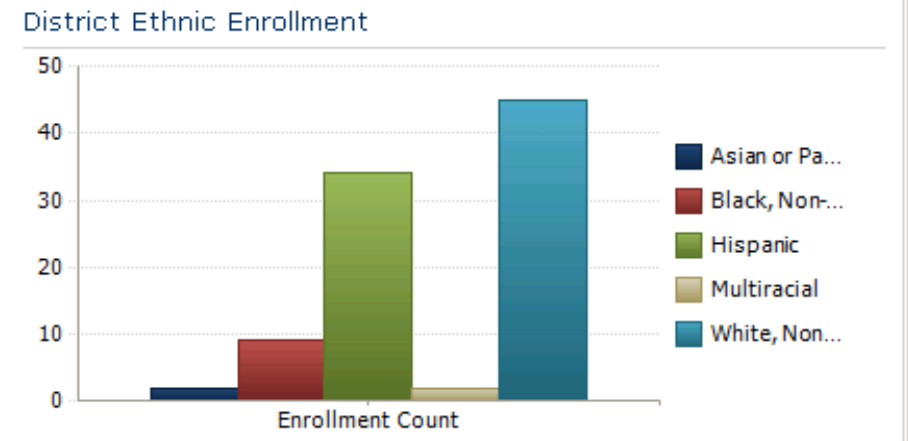
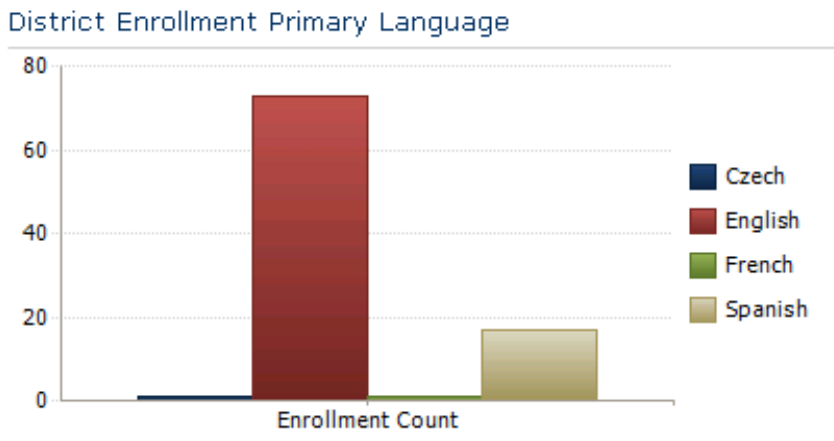
# District Dashboard > District Attendance Report



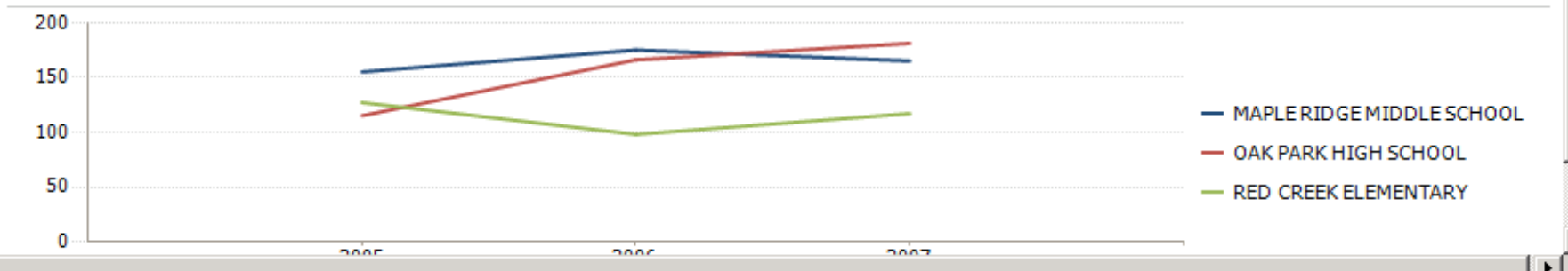
- Contoso District Schools
  - District Dashboard
  - FAST Search Center
  - Teacher Resources
  - Wiki
- 
- Dashboards
  - Data Connections
  - Libraries
  - K12Excel
  - PerformancePoint Content
- 
- Recycle Bin
  - All Site Content

K12 Administration : Administration Dashboard | **District Attendance Report** | District Software Budget | District System Status

District Enrollment Primary Language



## Unexcused Absences Chart by School



# Statewide Information Systems (Cont.)

Goal - Centrally managed systems that reduce cost and increase value for all districts

## Project #2

- Student information system (SIS)

# What is a SIS?

A student information system is the core software for operating a school district.

- Handling the admissions process
- Enrolling new pupils
- Automatically creating class & teacher schedules
- Handling records of tests, assessments, grades and academic progression
- Maintaining records of absences and attendance
- Recording communications with pupils
- Maintaining discipline records
- Providing statistical reports
- Communicating pupil details to parents through a **parent portal**
- Special education/individualized education program (IEP) services
- Pupil health records

# Why a Statewide SIS?

- Wisconsin is uniquely organized for this sort of solution as a large collection of relatively small districts
- Technology scales well
  - 1,000 vs. 1,000,000 students - same system
- Technology advances
- Eliminates repeated tasks every district performs
- Significantly improves data quality
- Ensures equity in such systems across the entire state
- Return on investment under one year

# Why a Statewide SIS? - (Cont.)

- Immediate access to student data

- Mobile student populations continuing to increase
- All students records in SIS would transfer with a single click
- Teachers and other educators would have information they need for instruction on day 1
- Other electronic records services could be deployed including electronic transcripts

# Leadership in Classrooms

Goal - Identify key partnerships that provide effective technology tools for use in classrooms

Project #1 - Google Apps in Education

Project #2 - Moodle Learning Management System (LMS)

# Google Apps in Education for WI

- Establish a mechanism for districts to utilize Google Apps in Education
- Eliminate an extra step in the contract negotiations on behalf of all districts
- Create a network of support for deployment and use
- Uses? Writing journals in Blogger, ePortfolios in Google Sites, assignments in Google Docs, tests and quizzes in Google Forms

# Moodle LMS

## What is an LMS?

- A place where learning content can be created, saved and stored, and where teachers and students can collaborate
- Teachers create lessons and share them with their peers
- Students complete assignments, take quizzes and tests, ask for help from their classmates and teacher
- Completely secure, locked down to classroom sections

# **Technology in Wisconsin's Schools**

Parent Advisory Council  
August 2011