

Technology Plan 2005

A Framework

February 8, 2005

Assets in Place . . .

- ▶ Staffing:
 - Technical staffing
 - Campus Technicians
 - Other classified and certified staff in schools
- ▶ A more robust and reliable network
- ▶ Over 7,500 client workstations and printers
- ▶ Computer labs and classroom computers
- ▶ Standardized on MS Windows 2000, MS Office 2000, and MS Outlook Exchange (CTE is using MS Windows 2003 and Office 2003)

. . . Assets in Place

- ▶ Internet access for all students and staff:
 - a very robust 45 Mbps connection
 - a vibrant, flexible, and informative web presence
- ▶ A comprehensive telephone and voice mail system
- ▶ Video in every classroom
- ▶ All “networkable” devices have a high-speed connection to the Network (WAN) – SFB project
- ▶ **General overall enthusiasm for technology**

Acknowledgements

INFORMATION TECHNOLOGY and NETWORK TECHNOLOGY STRATEGY

**An IT Strategy Report Prepared by
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Purpose of Technology Framework

- ▶ . . . Identify the **primary initiatives** needed in support of technology integration into instruction and those that will assist all staff in administrative duties to improve productivity . . .
- ▶ . . . Evolve into a **Technology Plan** that prioritizes the initiatives, identifies budgetary costing, and general implementation plans . . .

Technology Initiatives

. . . build upon existing technology assets, replacing older technology and acquiring new technology to achieve the following 13 initiatives

#1 Web Based Systems

Reduce the District's reliance on client based software

- ▶ All new systems should be Web Based:
 - ATI Galileo – Student Assessment System
 - SEAS (Sped Ed Automated Systems) – IEP Program
 - Computer Based Capital Project Management System
- ▶ Web Based software systems should replace the aging mission critical administrative systems:
 - Student Information System to replace SASIxp
 - Finance and Accounting System, including Human Resources and Payroll, to replace CIMS

#2 Data Storage Environment

Provide universal access to data regardless of application system or physical location

- ▶ Commitment to an enterprise level database
- ▶ Data warehouse and data warehousing tools
- ▶ Shared storage environment through Storage Area Network (SAN) and Network Attached Storage (NAS)

. . . Technology Initiatives . . .

▶ **#3 On-Line Learning**

- On-Line Learning opportunities consistent with District and State Standards

▶ **#4 Distance Learning & Teleconferencing**

- Video Technologies to deliver training, instruction, and link offices and schools

▶ **#5 Technology in the Classroom**

- “Technology Enabled Classroom”
- Provide more flexibility in teaching

#6 Enhance Communication with the Community

- ▶ Extend access to data and information to parents and the community
 - Enhanced by Web Based Systems
- ▶ include parents that do not have access to technology in the home

#7 Technology Refresh

Keep existing technology state-of-the-art and vibrant:

- ▶ Technology Refresh Program to replace aging hardware
- ▶ Upgrade Campus Networks including opportunities to deploy wireless communications
- ▶ New District wide voice system, exploring both digital and voice over IP technologies
- ▶ Automated software distribution and inventory system

. . . . Technology Initiatives

▶ **#8 Paperwork Reduction**

- Implementation of an Electronic Document Management System

▶ **#9 Collaboration**

- Computer based collaboration tools to allow school administration, faculty, students, and external groups to better communicate and share information

▶ **#10 Security**

- Safety of children is our #1 Priority!
- Use of security technology and surveillance will enhance Physical security
- Currently piloting a Web Based Security Surveillance system at Supai MS

. . . . Technology Initiatives

▶ **#11 - Staffing**

- adequate staffing in order to implement new technologies and maintain existing technologies

▶ **#12 – Training**

- certified staff for new and existing Instructional Programs
- all District staff in the use of administrative systems
- technology staff in the support of all systems

▶ **#13 - Explore Technology Based Opportunities**

- Wireless Communications network within the District and City boundaries
- “Export” of instructional and training programs
- Explore eBusiness opportunities

Building the Technology Plan

- ▶ Prioritize
- ▶ High level designs
- ▶ Identify costs
- ▶ General time frames
- ▶ These processes are already in progress with the Bond Building Program

Questions?

