

# Executive Summary

## District Strategic Improvement Plan 2005-06 Major Activities

### IV. TECHNOLOGY

***PRIORITY: Develop and sustain a dynamic, integrated infrastructure of human, technological, and management resources that empowers all stakeholders to enable students to learn to their fullest potential.***

- Collaborated with Curriculum and Instruction to implement the Curriculum Management System district-wide.
  - Refreshed student, teacher, and course data nightly and refreshed assessment data according to schedule.
  - Developed multiple pre-formatted reports to aid administrators in disaggregating data.
  - Developed and delivered 9 hours of professional development to all teachers and campus administrators.
  - Provided ongoing support and customized professional development to campus and district users via the CITs and other certified trainers.
  - Published curricular and instructional units for Technology Applications, grades two and five, as well as K-12 Library Skills, to the system.
  - Designed continuing professional development plan for 2006-07.
- Implemented UnitedStreaming digital-video-to-the-desktop, aligned to K-12 core and enrichment TEKS, district-wide.
  - Loaded content on NISD servers and created user accounts.
  - Designed and delivered numerous professional development workshops for teachers, librarians, CITs, counselors, and administrators.
  - Developed and published online numerous TIPPA (Technology Integration Project Planning & Assessment) integration projects incorporating UnitedStreaming.
- Adopted and implemented online textbooks/supplementary materials for K-8 Technology Applications (SRA TechKnowledge for K-5 ECTs and CITs; Connected Tech for 6-8 technology teachers and CITs).
- Successfully supported online high-stakes testing district-wide (Exit-level TAKS Retest, Louisiana Exit-level GEE, Texas Observation Protocol for teachers, high school Advanced Placement (International Languages)).
- Implemented new and innovative technology staff development initiatives district-wide: Training on Wheels (district trainers in a zone/cluster model), NetMeeting online-instructor-led classes for small group instruction, and online courses
- Provided ongoing professional development, equipment, and technical support for 73 elementary, 38 middle, and 20 high school PAVE graduate student participants;

held graduation ceremony for 73 elementary participants, in collaboration with Walden University and 4 partnership districts.

- Continued to expand quarterly Q.U.A.D. (Quality, Usable, Accurate Data) Workshops for all attendance secretaries, grade reporting secretaries, and registrars in an effort to emphasize and improve data quality in electronic information systems.
- Coordinated the fourth annual K-12 NISD Digital Media Fair, where more than 1,100 student entries (digital products connected to learning) were submitted and evaluated for the “Digi Awards”, held May 24 and 25.
- Hosted the three-day, third annual eCamp Summer Technology Conference, providing over 170 technology training and development sessions for all NISD staff.
- Implemented a Customer Interaction Program to facilitate a deeper understanding of campus and department needs in order to continue to provide exemplary service. Activities included: internal job shadowing (pairing Technology Services staff members), external job shadowing (pairing Technology Services staff members with non-Technology Services staff), scheduled classroom visits, “Town Hall” meetings with various groups, and Focus Group(s) meetings.
- Collaborated with Business Careers High School to prepare for the implementation of the District’s first one-to-one wireless laptop initiative in August (selected and purchased laptops and bags, begun curriculum re-design and teacher staff development, designed and installed campus-wide wireless technology, etc.).
- Implemented Parent Connection (Phase I) at all secondary schools, to enable parents and students to view daily grades and attendance online; piloted Phase II at two campuses, to enable parents and students to view longitudinal academic, enrollment, and standardized assessment data online.
- Piloted a Storage Area Network solution for secure, network file storage for students at two campuses to facilitate instruction and student-created technology products (to be implemented at all secondary schools, fall 2006).
- Led the development and communication of best practices and strategies for technology integration and professional development for Campus Instruction Technologists (CIT), Librarians, Campus Technology Facilitators (CTF), Elementary Campus Technologists (ECT), and Library Assistants.
- Provided information systems (data imports and exports), infrastructure, technical and instructional support for successful implementation of a variety of district-wide instructional software (e.g., including RiverDeep Destination Math portal, Measuring Up E-Path for math, Texas Math Diagnostic System, Voyager Passport for reading, FitnessGram for PE, Plato, Carnegie, and Agile Mind credit retrieval courses for math, Rosetta Stone for Bilingual/ESL, GET-IT for science, etc.).
- Provided expanded video conferencing capabilities and equipment for five campuses and NAC to support teaching and learning.
- Collaborated with Administration and Facilities departments to complete the design and installation of the Integrated Security Management System at ten high school campuses; provides video surveillance, alarm monitoring, access control, and ID badging.

- Completed major District Network Control Center upgrades, to include over 70 server moves, 6,000+ feet of re-cabling, installing switches, routers, network management software tools, etc.
- Deployed new technology campus-wide to 14 campuses (2,231 computers, 1,190 printers); repurposed an additional 1,6205 computers to classrooms during deployments; deployed new technology to Specialty Labs (Journalism, Photography, Drafting) at 7 high schools, replacing hardware, software, peripheral, and A/V equipment.
- Supported and implemented new and existing gradebook initiatives:
  - Completed elementary Excel/Access grade book enhancements and provided training for CITs
  - Upgraded the version of the gradebook program for all secondary campuses
  - Successfully implemented a Web gradebook service for all secondary teachers (provides access to their gradebooks from home)
  - Collaborated with Curriculum and Instruction to determine requirements and select a Web-based elementary gradebook, to be implemented in August 2006
- Completed enhancements to the VoIP system, including a Malicious Call ID feature and 911 call notification.
- Provided programming, technical and infrastructure support, and training necessary to implement a wide variety of applications (e.g., On-line Budget Submission, Budget Transfer Request, Student Activity Fund Transfer, Online Handbook Acknowledgement for specified staff, Web-based stipends module, Winocular online application for substitutes, Supplemental Pay module, Volunteer module, Lockwood Inventory Management System, Personal Graduation Plan, Online PDAS, Online SIP, Kronos, TPRI for elementary reading, ERO for staff development tracking, etc.).