

#### IV. TECHNOLOGY PRIORITY OBJECTIVES

**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.*

- ◆ **Objective 1. Ensure that students demonstrate mastery of clearly defined technological skills required to support student achievement and lifelong learning through information acquisition, critical thinking, problem solving, and communication.**

MAJOR ACTIVITY	PERSON(S) RESPONSIBLE	PROGRESS REPORT 1 (NOV. 2005)	PROGRESS REPORT 2 (MAR. 2006)	PROGRESS REPORT 3 (MAY 2006)
<p>IV.1.1. Provide professional development and support for Campus Instructional Technologists (CITs) and Campus Technology Facilitators (CTFs) so that they can empower teachers in effectively using technology in core and enrichment content areas to increase student success and achievement.</p>	<p>Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>• Provided New CIT Orientation and all-level CIT Startup Sessions, focusing on best practices in professional development and technology integration.</li> <li>• Initiated CIT Newcomer Program, providing mentors to new CITs, and CIT Advisory Group to facilitate communication of best practices.</li> <li>• Began CIT book study on <u>How Teachers Learn Technology Best</u>, including face-to-face and online discussions via WebBoard.</li> <li>• Provided 9 elementary and secondary CIT sessions on best practices in coaching and mentoring teachers in effectively using technology in instruction.</li> <li>• Provided 6 CIT professional development sessions in utilizing digital graphics, online development, and video editing in instruction.</li> <li>• Provided 1 CIT professional development session on copyright best practices.</li> <li>• Published 6 issues of the "CIT News" to promote best practices and facilitate communication from 6 technology service areas.</li> <li>• Continued skills practica administration to CITs and created new practica to align with Technology Core Competencies.</li> <li>• Provided 18 training sessions for new elementary Computer Technologists.</li> <li>• Completed and published elementary computer literacy curriculum updates for 2<sup>nd</sup> and 5<sup>th</sup> grades.</li> <li>• Developed, provided staff development, and tested middle school integrated Skills for Adolescents/Computer Literacy curriculum.</li> <li>• Coordinated high school Technology Applications curriculum writing for updated software.</li> <li>• Provided 2 Web Mastering online high school student orientation sessions and enrolled 15 students in the course.</li> <li>• Provided 2 professional development sessions for journalism teachers on the InDesign application.</li> <li>• Supported K-12 CITs, CTFs, ECTs, and campus Web Masters with 89 campus visits.</li> <li>• Provided 13 Web Master professional development classes (DreamWeaver, FireWorks, Libraries, and Templates) for Campus Web Masters.</li> </ul>	<ul style="list-style-type: none"> <li>• Provided monthly professional development sessions for all-level CITs, focusing on book study topics of Adult Learning, Differentiating Professional Development, Strategic Teaching, Grazing the Net, and Invention Workshops.</li> <li>• Continued quarterly CIT Newcomer Program and CIT Advisory Group to facilitate communication of best practices.</li> <li>• Coordinated multiple UnitedStreaming invention sessions for CIT creation of projects and products aligned to K-12 curricular TEKS.</li> <li>• Supported K-12 campuses and special schools with 70 site visits.</li> <li>• Coordinated with 5 CITs to present 6 sessions on best practices in technology integration at Region 20 TATN event.</li> <li>• Provided high school CIT "Share the Chair" Invention Session for creation of interdisciplinary curricular units embedded with multimedia teacher and student products.</li> <li>• Began planning and preparation for this spring's Digital Media Fair.</li> <li>• Published 6 issues of the "CIT News" to promote best practices and facilitate communication from 6 technology service areas.</li> <li>• Administered technology applications practica to CITs, CATs, and ECTs; trained 1 new ECT in Technology Applications skills for the elementary technology literacy lab.</li> </ul>	<ul style="list-style-type: none"> <li>• Provided monthly professional development sessions for all-level CITs, with topics of: Book Studies (Reaching Reluctant Teachers and Planning for Success), TCEA Sharing, Webmaster Tips, SIP Technology Review, Connected Tech and Typing Pal online textbook orientation and account creation, NISD Student Storage initiative for review and feedback, and Technology Puzzle overview.</li> <li>• Continued quarterly CIT Newcomer Program and CIT Advisory Group to facilitate communication of best practices; provided input to inform annual AUP update training and CMS Outreach training.</li> <li>• Provided Campus Technology Facilitators with orientation and accounts to Connected Tech and Typing Pal online textbooks.</li> <li>• Reviewed and evaluated the Elementary Computer Literacy Curriculum with all 53 ECTs.</li> <li>• Completed 53 site visits in support of 33 schools.</li> <li>• Administered 20 Technology Applications practica to CITs.</li> <li>• Administered keyboarding training and testing for 25 ECTs.</li> <li>• Revised and updated the ECT website and created ECLC database online.</li> <li>• Continued publication of "CIT News" to promote best practices and facilitate communication from 6 technology service areas.</li> </ul>

**IV. TECHNOLOGY – Continued**

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<p><b>IV.1.2.</b> Provide professional development and support for campus librarians so that they can empower teachers in effectively using library resources, research skills, and technology in core and enrichment content areas to increase student success and achievement.</p>	<p>Dir., Library/Textbook Svcs.</p>	<ul style="list-style-type: none"> <li>• Provided 2 workshops for librarians on the use of PowerPoint, Publisher, SmartBoard, digital cameras, and projectors.</li> <li>• Provided ongoing, high-quality, high-volume daily email and phone support to staff district-wide concerning library issues (2,695 emails; 950 phone Calls; 336 POs processed; 1,911 Lib-help).</li> <li>• Facilitated the development and communication of library best practices and strategies at 12 workshops/meetings.</li> <li>• Provided 26 workshops and 15 site visits to support Sirsi, the electronic library catalog system.</li> </ul>	<ul style="list-style-type: none"> <li>• Provided ongoing, high-quality, high-volume daily email and phone support to staff district-wide concerning library issues (1,999 emails; 694 phone calls; 421 POs processed; 820 Lib-help).</li> <li>• Facilitated the development and communication of library best practices and strategies at 9 workshops/meetings.</li> <li>• Planned and presented National American Library Association Pre-conference session and hosted site visits to 5 NISD libraries, to share NISD Library best practices.</li> <li>• Provided 6 workshops and 2 site visits to support Sirsi, the electronic library catalog system.</li> <li>• Provided training in Photoshop Elements and READ CD for secondary librarians to create posters and bookmarks promoting student reading.</li> <li>• Provided UnitedStreaming staff development for middle school librarians on how to edit clips in MovieMaker for use in student projects.</li> </ul>	<ul style="list-style-type: none"> <li>• Provided ongoing, high-quality, high volume daily email and phone support to staff district-wide concerning library issues (2,361 emails; 720 phone calls; 289 POs processed; 1,869 Lib-help).</li> <li>• Facilitated the development and communication of library best practices and strategies at 7 workshops/meetings.</li> <li>• Provided 3 workshops and 4 site visits to support Sirsi, the electronic library catalog system.</li> <li>• Planned, created, and presented "Editing UnitedStreaming Clips in MovieMaker" at the K-12 library mini-conference.</li> </ul>
<p><b>IV.1.3.</b> Continue to refine and communicate the role of the CIT in providing professional development for teachers to assist them in differentiating instruction to increase student success and achievement through technology integration projects.</p>	<p>Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>• Created and published a new research-based online professional development training model and resource for CITs, "Opening Doors."</li> <li>• Developed database and website for professional development needs assessment survey for CITs to use with teachers.</li> </ul>	<ul style="list-style-type: none"> <li>• Prepared training materials for CITs to use with teachers to access and interpret Benchmark data in CMS.</li> <li>• Provided professional development for GT teachers district-wide in facilitating the creation of student video projects.</li> </ul>	<ul style="list-style-type: none"> <li>• Conducted 40 screening interviews and created customized applicant pools for ES, MS and HS CIT positions for 2006-07.</li> <li>• Collaborated with campus principals on ES, MS and HS CIT annual evaluations.</li> </ul>
<p><b>IV.1.4.</b> Publish K-12 Technology Applications curriculum components to the Curriculum Management System to facilitate students' mastery of technology skills and support student achievement.</p>	<p>Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>• Provided training sessions on the process of uploading Technology Applications curricular components to the CMS (2 Academic Technology staff).</li> </ul>	<ul style="list-style-type: none"> <li>• No action taken.</li> </ul>	<ul style="list-style-type: none"> <li>• Published Elementary Application Training Guide technology literacy lessons into the CMS system for grades 2 and 5, where they may be accessed in the Align materials component.</li> </ul>
<p><b>IV.1.5.</b> Publish K-12 Library curriculum components to the Curriculum Management System to facilitate students' mastery of information literacy and technology skills to support student achievement.</p>	<p>Dir., Library/Textbook Svcs.</p>	<ul style="list-style-type: none"> <li>• Provided training sessions on the process of uploading Library curricular components to the CMS (3 Library Services staff).</li> </ul>	<ul style="list-style-type: none"> <li>• Uploaded the K-12 Library Skills Scope and Sequence to CMS.</li> </ul>	<ul style="list-style-type: none"> <li>• Completed curricular and instructional units for K-12; awaiting final lesson plan template.</li> </ul>

**IV. TECHNOLOGY – Continued**

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<p><b>IV.1.6.</b> Provide instructional and technical support for core and enrichment content areas to support student achievement and accelerate student learning (e.g. evaluation of intervention software, instructional management software, credit retrieval software, Dual Language video-conferencing system, data and information support, infrastructure support, textbook support, etc.).</p>	<p>Asst. Supt., Tech. Svcs. Exec. Dir., Info./Infra. Svcs. Dir., Integ. Infra. Svcs. Dir., Tech. Acq./Proj. Mgmt. Dir., Library/Textbook Svcs. Dir., Integ. Information Systems Dir., Tech. Training/Development Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>• Collaborated weekly with the CMS Design Team and SchoolNet to fully implement the CMS (perform data updates, account management, training, and other implementation support).</li> <li>• Evaluated and provided technical support for the expansion of the NISD RiverDeep portal to include access to Spanish for Title/Bilingual campuses.</li> <li>• Coordinated RiverDeep training for all elementary CITs.</li> <li>• Collaborated with International Languages and CATE to help teachers and students utilize textbook software.</li> <li>• Published the updated middle school Science curriculum and elementary school Science and Social Studies curriculum online to provide easy access for teachers.</li> <li>• Supported Guidance Department with scholarship reports and merit awards database creation.</li> <li>• Refined and supported School Improvement Plan database and reporting.</li> <li>• Researching system architecture to support new online testing requirements for 10<sup>th</sup> grade TAKS.</li> <li>• Evaluated 20 instructional software programs to ensure desktop and/or network compatibility.</li> <li>• Completed technical evaluation of new Carnegie Cognitive Tutor product and provided technical specifications for server required to support new network application.</li> <li>• Researching possible alternatives for increased network connectivity to South Texas Academy and SW Mental Health Center in order to support implementation of Plato curriculum.</li> <li>• Evaluating blade server technology in support of growing instructional support requirements.</li> <li>• Obtained competitive bids/quotes for a wide variety of required technology equipment, software and/or services for instruction.</li> <li>• Provided updates to the Technology Acquisitions Intranet website to ensure the most accurate product and quote information is published and available to all staff.</li> <li>• Updated the Technology Applications lab software to current titles/versions, beginning purchases with Stevens HS.</li> <li>• Deployed 2 video conferencing systems to Sul Ross MS and Stinson MS for Bilingual/ESL instruction.</li> <li>• Deploying 1 new wireless laptop cart to all middle school campuses.</li> <li>• Provided ongoing, high-quality, high-volume daily email and phone support to staff district-wide concerning textbook issues (2,841 emails; 1,823 phone calls).</li> </ul>	<ul style="list-style-type: none"> <li>• Collaborated weekly with the CMS Design Team and SchoolNet to fully implement the CMS (perform data updates, account management, training, and other implementation support).</li> <li>• Coordinated with secondary Science to investigate version update for GET-IT Science simulation software.</li> <li>• Coordinated with International Languages on textbook software implementation plan and campus-requested instructional software proposals.</li> <li>• Initiated high school Technology Applications textbook software implementation.</li> <li>• Coordinated with Bilingual Department on Rosetta Stone training and on importing student data into Rosetta Stone learner management system.</li> <li>• Refined School Improvement Plan online data collection and prepared reports for C&amp;I.</li> <li>• Supported Oak Hills Terrace ES (NASA 2005 Explorer School) and bilingual video conferencing campuses through site visits, training, and pre-planning for enhanced video conferencing capabilities directly from campuses to sites outside of NISD.</li> <li>• Facilitated Instructional Software Review and Feature Update for Special Education Local Curriculum Staff in their evaluation process of 4MATION software.</li> <li>• Provided technical support for 2 district-wide online testing efforts (TAKS Exit Level, Louisiana GEE).</li> <li>• Participated in development of new review and approval process for instructional materials, including software, resulting in new Administrative Regulation INS-03.</li> <li>• Completed technical evaluation of Agile Mind credit retrieval program to be used district-wide.</li> <li>• Continuing to support rollout/implementation of network version of Fitnessgram 8.0 application.</li> <li>• Provided technical review and hardware recommendations to implement Orchard Math intervention program for middle schools.</li> <li>• Initiated project to redeploy 250 used computers (Macs and PCs) to elementary schools for use in intervention programs.</li> <li>• Continuing preparations to deploy 1 new wireless laptop cart to all middle school campuses.</li> <li>• Providing support for planned installation of new Sony International Language Labs at Stevens HS and O'Connor HS.</li> <li>• Provided ongoing, high-quality, high-volume daily email and phone support to staff district-wide concerning textbook issues (1,108 emails; 989 phone calls).</li> </ul>	<ul style="list-style-type: none"> <li>• Collaborated weekly with the CMS Design Team and SchoolNet to fully implement the CMS (perform data updates, account management, training, and other implementation support).</li> <li>• Planned and hosted the fourth annual Digital Media Fair "Digi" Awards for both elementary and secondary student recognition of digital media projects, judged in nine categories; 1,063 entries; 648 student awards.</li> <li>• Installation of new International Language Lab at Stevens HS in progress, slated for summer completion.</li> <li>• Supported Oak Hills Terrace ES (NASA 2005 Explorer School) during installation of video conferencing system; managed delivery and installation of additional large monitors to Sul Ross and Stinson for their ESL video conferencing systems.</li> <li>• Coordinated extended 3 year support contract for video conferencing systems at NAC, Esparza ES, and May ES.</li> <li>• Continued to support 2005-06 online testing efforts and plan for 2006-07 online testing opportunities.</li> <li>• Continuing to support rollout/implementation of network version of Fitnessgram 8.0 application for elementary and secondary PE.</li> <li>• Deployed one wireless laptop cart to each MS campus.</li> <li>• Deployment, installation and support of the following instructional network applications: Rosetta Stone, ADM, Read Naturally, Thinking Maps, Eduware.</li> <li>• Participated in the Advanced Academic Task Force to develop a district plan to increase the number of HS students taking a more rigorous educational path.</li> <li>• Continued to work with secondary Science to support GET-IT science simulation software.</li> <li>• Provided on-site video support (8 site visits) and collaboration with 4 GT teachers and their students.</li> <li>• Coordinated with secondary Reading and PE-Health Instructional Specialists to facilitate the upcoming installation of textbook software at MS campuses.</li> <li>• Collaborated with C&amp;I on an implementation model for TAKS workshop, and to address RiverDeep access needs by Special Ed. and ESOL teachers and students.</li> <li>• Coordinating software installations for ES and MS STEPS programs.</li> <li>• Collaborated with credit retrieval staff for initial needs assessment and monitoring of content development for development of credit retrieval website.</li> <li>• Provided ongoing, high-quality, high-volume daily email and phone support to staff district-wide concerning textbook issues (1,370 emails; 850 phone calls).</li> <li>• Delivered 19,387 textbooks to campuses; picked up 4,025 textbooks as surplus for redistribution; processed 237 textbook requisitions from campuses.</li> </ul>

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				<ul style="list-style-type: none"><li>• Placed supplemental TEA order- 532 books valued at \$7,665.</li><li>• Provided End-of-Year Tutorial for Campus Textbook Coordinators and scheduled reports for campuses.</li><li>• Continued to participate in review and approval process for instructional materials requests in compliance with Admin Regulation INS-03.</li><li>• Purchasing books and AV software for 4 new elementary schools.</li><li>• Provided online "Tuesday Tips" for librarians.</li><li>• Processed, added, cleaned up over 37,565 records in the Sirsi database.</li><li>• Printed thousands of Sirsi inventory barcodes for campuses and assisted 11 campuses with wireless library inventories.</li></ul>
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**IV. TECHNOLOGY – Continued**

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<p><b>IV.1.6. Continued</b></p>		<p><b>Continued</b></p> <ul style="list-style-type: none"> <li>Delivered 180,511 textbooks to campuses; picked up 13,978 textbooks as surplus for redistribution; process 676 textbook requisitions from campuses.</li> <li>Placed supplemental TEA order for 100,837 textbooks valued at \$4,131,879.</li> <li>Revised and published online Library Procedure Manual.</li> <li>Provided online “Tuesday Tips” for librarians.</li> <li>Processed, added, cleaned up over 78,000 records in the Sirsi database and developed 1,258 new standardized Sirsi campus user reports.</li> <li>Printed thousands of Sirsi inventory barcodes for campuses and assisted 11 campuses with wireless library inventories.</li> <li>Reviewed and took action to block and/or unblock approximately 65 websites since August 2005 to meet instructional needs.</li> </ul>	<p><b>Continued</b></p> <ul style="list-style-type: none"> <li>Delivered 17,786 textbooks to campuses; picked up 1,095 textbooks as surplus for redistribution; processed 198 textbook requisitions from campuses.</li> <li>Placed supplemental TEA order for 10,784 textbooks valued at \$461,441.</li> <li>Provided online “Tuesday Tips” for librarians.</li> <li>Processed, added, and cleaned up over 25,675 records in the Sirsi database.</li> <li>Assisted 14 campuses with wireless library inventories.</li> <li>Reviewed and took action to block and/or unblock approximately 48 websites to meet instructional needs.</li> </ul>	
<p><b>IV.1.7.</b> Create and implement technology integration online modules that address the implementation of state-mandated technology curriculum requirements (TEKS for Technology Applications K-12).</p>	<p>Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>Updated and published the middle school Technology Integration online resource, which provides more than 40 technology-infused lesson plans aligned to core content TEKS and TIPPA.</li> </ul>	<ul style="list-style-type: none"> <li>Developed and posted Collaborative Secondary CIT Hotlist of Educational Technology and 6-12 curricular websites.</li> </ul>	<ul style="list-style-type: none"> <li>Maintained and updated MS Technology Integration online resource on Intranet.</li> </ul>
<p><b>IV.1.8.</b> Work collaboratively with the Division of Curriculum and Instruction to connect Technology Integration Project Planning and Assessment (TIPPA) to core and enrichment content area curriculum components.</p>	<p>Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>Presented TIPPA workshops at 6 campuses.</li> <li>Coordinated 5 elementary “Super Saturday” sessions on Multiple Intelligences/Multiple Technologies, relating to TIPPA.</li> </ul>	<ul style="list-style-type: none"> <li>Added 12 elementary TIPPA integration projects incorporating UnitedStreaming to CIT Resource Page.</li> <li>Updated middle school TIPPA Integration Website resource.</li> </ul>	<ul style="list-style-type: none"> <li>Presented a digital learning pullout session to BCHS staff, “Synching up with the Kids: Engaging Minds in the Net Generation,” which included an overview of problem-based learning and benefits, an overview of the Northside TIPPA model, and a sharing of digital-age resources.</li> <li>Planned support of BCHS technology-infused lessons to support 1:1 wireless laptop initiative in CATE, Social Studies, and English.</li> <li>Planned with Elementary C&amp;I Specialists for summer curriculum writing in science and social studies, and recommended Elementary CITs for the writing team.</li> </ul>
<p><b>IV.1.9.</b> Research, evaluate, and pilot emerging instructional technologies to increase technology access in order to support student success and achievement.</p>	<p>Asst. Supt., Tech. Svcs. Exec. Dir., Info./Infra. Svcs. Dir., Integ. Infra. Svcs. Dir., Tech. Acq./Proj. Mgmt. Dir., Library/Textbook Svcs. Dir., Integ. Info. Systems Dir., Tech. Training/Development Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>Completed architecture design for enhanced video conferencing system at NAC; testing solution for project implementation within 2 months.</li> <li>Implemented a video streaming solution to support live broadcast of “A Conversation with the Justice” from Stevens HS.</li> <li>Set up Video-on-Demand architecture to support Jay HS “High SEA Adventure” Science project.</li> <li>Developing proposals and planning for possible wireless one-to-one computing environments at Business Careers HS and the O’Connor/Clark Reliever HS.</li> </ul>	<ul style="list-style-type: none"> <li>Gained Board approval and moving forward with wireless one-to-one computing initiative at Business Careers HS (project plan developed, RFP for laptops released, scheduled curriculum development and professional development sessions, evaluating wireless solutions, etc.).</li> <li>Provided technical solution that will allow expanded video conferencing capabilities to 5 campuses in addition to NAC, beginning February 1, 2006.</li> <li>Evaluating podcasting technology for use in classrooms with sound editing freeware, Audacity.</li> <li>Evaluated and helped implement MP3 players to support the elementary music program.</li> <li>Created new Photoshop Elements with Virtual Painter staff development sessions for teachers.</li> </ul>	<ul style="list-style-type: none"> <li>Continued to assess implementation of technologies new to the district for the wireless one-to-one computing initiative at Business Careers HS in the following areas: internet filtering (for staff and students from home); use of group policies to enforce/restrict network/laptop permissions based on roles (e.g. student, staff); secure network printing.</li> <li>Configured and ordered 733 laptops for BCHS.</li> <li>Coordinated the development of the Parent-Student Laptop Handbook and Laptop Agreement Form for BCHS.</li> <li>Planning summer implementation of Sorenson Video Relay Station for AI students and teachers at Braun Station ES and Stevenson.</li> <li>Assisted Library Services with definition of requirements and specifications for server and Sirsi software program upgrade.</li> </ul>

**IV. TECHNOLOGY – Continued**

◆ **Objective 2. Ensure that all employees demonstrate mastery of appropriate, clearly defined technological skills and competencies required for performance of their jobs.**

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<p><b>IV.2.1.</b> Expand web-based technology-related training and professional development course offerings and other online training resources for district-standard software applications.</p>	<p>Dir., Tech. Training/Development</p>	<ul style="list-style-type: none"> <li>Implemented “Net Meeting,” a Microsoft conferencing solution which provides the capability for multi-point data conferencing, text chat, whiteboard, and file transfer, as well as point-to-point audio and video.</li> <li>Provided 23 online technology training classes using “Net Meeting.”</li> <li>Provided a wide variety of just-in-time online application support using “Net Meeting.”</li> </ul>	<ul style="list-style-type: none"> <li>Provided support, training, and web development for various departments (Special Education, Bilingual, Pupil Personnel, etc.).</li> <li>Updated online training for Campus Web Masters, video creation, and scanning online training resources for teachers.</li> <li>Piloting Moodle learner management system to expand web-based technology-related training and professional development.</li> <li>Researching possibility of web-based training tool provided by Dell.</li> <li>Provided 9 online technology training classes using “Net Meeting” as well as just-in-time support.</li> </ul>	<ul style="list-style-type: none"> <li>Developed online workshops for DVD-Video, Camtasia, Automated Cash Receipts, Budget Transfer Request, FitnessGram, and PGP; HR technology-related curriculum in progress.</li> <li>Provided campus/departmental Webmaster professional development, both in formal classes and one on one advising.</li> <li>Created Webbie Support Site for Campus and Department Webmasters <a href="http://www.nisd.net/technology/training/webbie/index.htm">http://www.nisd.net/technology/training/webbie/index.htm</a>.</li> <li>Continued to evaluate content to purchase for basic technology training (Atomic Learning, LearnKey, Dell)</li> </ul>
<p><b>IV.2.2.</b> Provide a minimum of nine hours of required professional development for teachers, librarians, counselors, and administrators for effective use of the Curriculum Management System.</p>	<p>Dir., Tech. Training/Development Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>Developed district-wide training materials for the Account and Align modules of the CMS.</li> <li>Provided 6 hours CMS professional development for all teachers and campus administrators.</li> <li>Provided ongoing support and professional development to campus and district users via the CITs and other certified trainers.</li> </ul>	<ul style="list-style-type: none"> <li>Delivered customized CMS training to Speech Language Pathologists, counselors, and campus administrators.</li> <li>Scheduled Phase III training for February 1, 2006; prepared training materials (writing, printing, schedule development, training assignments, etc.).</li> <li>Provided ongoing support and professional development to campus and district users via the CITs and other certified trainers.</li> </ul>	<ul style="list-style-type: none"> <li>Collaborated with Guidance and Counseling to establish content and dates for elementary counselors for 2006-07 startup staff development.</li> <li>Established dates, training, and writing plan for July 2006 Update Training with Design Team.</li> <li>Established dates, training, and writing plan for fall 2006 with Design Team.</li> <li>Created NISD Certification training materials and delivered two days of NISD Certification training.</li> </ul>
<p><b>IV.2.3.</b> Provide professional development for librarians, CITs, teachers, and administrators on the new district-wide online databases for information acquisition and research and promote the effective use of these instructional resources.</p>	<p>Dir., Library/Textbook Svcs.</p>	<ul style="list-style-type: none"> <li>Presented 3 online database workshops at elementary “Super Saturday.”</li> <li>Provided 7 online databases district-wide workshops.</li> </ul>	<ul style="list-style-type: none"> <li>Provided support for teachers and students in using online databases through librarians and CITs.</li> </ul>	<ul style="list-style-type: none"> <li>Developed 4 eCamp workshop on GALE and WorldBook databases.</li> <li>Coordinated and facilitated a librarian presentation to BCHS staff on WebCat, online databases, and eBooks.</li> </ul>
<p><b>IV.2.4.</b> Conduct pull-out professional development for all-level Technology Applications teachers related to curriculum TEKS, projects, and activities.</p>	<p>Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>Conducted SRA TechKnowledge (new state adopted online textbook) staff development for ECTs and elementary CITs.</li> <li>Developed implementation plan for Connected Tech (new state adopted online textbook) for middle school campuses offering computer literacy.</li> </ul>	<ul style="list-style-type: none"> <li>Continued Connected Tech (online textbook adoption) implementation and staff development for Technology Applications, Grades 6-8.</li> <li>Continued SRA TechKnowledge (online textbook adoption) implementation and staff development for Technology Applications, Grades K-5.</li> <li>Coordinated the development of Macromedia Studio MX 2004 student training materials and distributed to secondary Technology Applications teachers.</li> <li>Coached several teachers towards acquiring Technology Applications certification (provided study materials, exam dates, online registration, etc.).</li> </ul>	<ul style="list-style-type: none"> <li>Coordinated and delivered two pull-out days for secondary Technology Applications teachers with topics of HTML authoring, MovieMaker Essentials, Connected Tech, and Typing Pal.</li> </ul>

**IV. TECHNOLOGY – Continued**

MAJOR ACTIVITY	PERSON(S) RESPONSIBLE	PROGRESS REPORT 1 (NOV. 2005)	PROGRESS REPORT 2 (MAR. 2006)	PROGRESS REPORT 3 (MAY 2006)
<p><b>IV.2.5.</b> Provide professional development for librarians, CITs, teachers, and administrators on the new streaming media content delivery system to support student achievement and promote the effective use of this instructional resource.</p>	<p>Dir., Library/Textbook Svcs. Dir., Tech. Training/Development Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>Met with UnitedStreaming vendor (KLRN) to receive orientation and plan professional development.</li> <li>Scheduled elementary and secondary CIT and librarian staff development for the UnitedStreaming product in November 2005.</li> </ul>	<ul style="list-style-type: none"> <li>Completed professional development on UnitedStreaming of K-12 CITs and librarians.</li> <li>Posted UnitedStreaming training resources on CIT Resources website.</li> <li>Demonstrated UnitedStreaming to Cabinet, Instructional Specialists, all-level G/T Teachers, Middle and high school Reading Coordinators and Specialists, Principals, Instructional Directors, and district-wide K-5 Team Leaders.</li> </ul>	<ul style="list-style-type: none"> <li>Completed professional development on UnitedStreaming for middle school counselors and BCHS staff.</li> <li>Presented two "Orientation to UnitedStreaming" sessions at NLC for teachers.</li> <li>Planned eCamp presentations, including an in-depth session on the use of the Quiz feature of UnitedStreaming.</li> </ul>
<p><b>IV.2.6.</b> Implement district-developed Technology Core Competencies for all employees with access to technology.</p>	<p>Dir., Tech. Training/Development</p>	<ul style="list-style-type: none"> <li>Provided 273 classes aligned to Technology Core Competencies on a wide variety of applications to a wide variety of users.</li> <li>Implemented the new "Training on Wheels" program, to provide de-centralized technology training at multiple locations during the evening hours.</li> </ul>	<ul style="list-style-type: none"> <li>Provided 212 classes aligned to Technology Core Competencies on a wide variety of applications to a wide variety of users; 324 classes planned for spring semester.</li> <li>Conducted monthly CAT meetings, focusing on best practices for professional development for administrative applications.</li> <li>Provided campus-based training in support of Technology Core Competencies to include GroupWise, Cognos, Word, Region 20, Excel, Novell, Acrobat Reader, grade book programs, via the CATs.</li> <li>Coordinated the design and development of a new model for a weekly technology training day, conducted weekly at most campuses by the CITs and CATs.</li> <li>Developed new training guides for trainers: Principles of Instructional Design, Instruction Design Process and Best Practices Guide, Instructional Media Design and Style Guide.</li> <li>Developed template for redesign of course materials.</li> <li>Provided training in ODBC, VMCF, and Cognos to Business Office staff.</li> <li>Continued the "Training on Wheels" program to provide de-centralized technology training at multiple locations during the evening hours for 480 employees.</li> <li>Provided customized training classes for HR/Student Services in Word, Excel, Creative Media Source, Cognos, and Region 20 Web Interface.</li> <li>Began planning and preparation for June 7-9 eCamp, to be held at Stevens HS.</li> </ul>	<ul style="list-style-type: none"> <li>Provided 285 classes aligned to Technology Core Competencies on a wide variety of applications to a wide variety of users.</li> <li>Planned annual eCamp 2006, with nearly 160 sessions, over 800 pre-registered attendees, and nearly 2,500 session registrations, to support teachers' ability to plan, deliver and evaluate technology integration in support of core and enrichment curricular objectives.</li> <li>Planned BCHS Wireless Retreat, in support of wireless 1:1 laptop initiative, to equip teachers with digital-age teaching and integration skills in wireless environment.</li> <li>Revised and updated New Employee Technology Training Guide for use in 2006-07 as well as Quick Reference Guide.</li> <li>Conducted training for high school secretaries on Graduation database.</li> </ul>
<p><b>IV.2.7.</b> Implement a new required Online Acceptable Use course for all employees with access to technology, including an emphasis on confidentiality of data and appropriate use of email and other electronically written messages.</p>	<p>Dir., Tech. Training/Development</p>	<ul style="list-style-type: none"> <li>Utilizing BlackBoard Learner Management System; 8,561 employees successfully completed NISD's new online Acceptable Use "e-learning" course this fall.</li> </ul>	<ul style="list-style-type: none"> <li>85 new employees successfully completed Online AUP training.</li> <li>Converted Online Acceptable Use course from BlackBoard to Moodle learner management system.</li> </ul>	<ul style="list-style-type: none"> <li>Revamped the Online Acceptable Use course, including a greater emphasis on e-mail use and confidentiality of data.</li> <li>Developing and implementing an enhanced NISD-hosted online learner management system (Moodle)</li> </ul>

**IV. TECHNOLOGY – Continued**

<b>MAJOR ACTIVITY</b>	<b>PERSON(S) RESPONSIBLE</b>	<b>PROGRESS REPORT 1 (NOV. 2005)</b>	<b>PROGRESS REPORT 2 (MAR. 2006)</b>	<b>PROGRESS REPORT 3 (MAY 2006)</b>
<b>IV.2.8.</b> Continue and expand required, quarterly Q.U.A.D. workshops for attendance secretaries and other data entry personnel to facilitate Quality, Useable, Accurate Data in student and administrative information systems.	Dir., Tech. Training/Development Dir., Integ. Info. Systems	<ul style="list-style-type: none"> <li>Hosted 1,132 session participants (campus and district classified staff) for August and October Q.U.A.D. workshops.</li> </ul>	<ul style="list-style-type: none"> <li>Planned 16 Q.U.A.D. sessions for February 1, 2, 3; online registration underway.</li> </ul>	<ul style="list-style-type: none"> <li>Provided training to 516 session participants in April Q.U.A.D. training.</li> <li>Collaborated with appropriate district departments to establish Q.U.A.D. dates for 06-07.</li> <li>Revised and updated the Q.U.A.D. website.</li> </ul>
<b>IV.2.9.</b> Continue support for the Pathways to Advanced Virtual Education (PAVE II) grant, in which 133 NISD educators earn an online master's degree in Curriculum and Instruction with an emphasis in Instructional Technology, in collaboration with neighboring school districts and Walden University.	Dir., Academic Tech. Svcs.	<ul style="list-style-type: none"> <li>Provided ongoing professional development, equipment, and technical support for 73 elementary, 38 middle, and 20 high school PAVE participants.</li> <li>Coordinated and tracked Technology Proficiency Staff Development and Give-Back Hours for all PAVE participants.</li> </ul>	<ul style="list-style-type: none"> <li>Provided ongoing professional development, equipment, and technical support for 73 elementary school, 38 middle school, and 20 high school PAVE participants.</li> <li>Coordinated and tracked Technology Proficiency Staff Development and Give-Back Hours for all PAVE participants.</li> <li>Held graduation ceremony for 73 elementary participants, in collaboration with Walden University and 4 partnership districts.</li> </ul>	<ul style="list-style-type: none"> <li>Provided ongoing professional development, equipment, and technical support for 38 middle school and 20 high school PAVE participants.</li> <li>Designed and provided multiple portfolio development sessions for Pave II participants.</li> <li>Purchased 8 DV camcorders with Pave grant funds to support video projects at campuses and to use for professional development.</li> </ul>
<b>IV.2.10.</b> Provide professional development for administrators on utilizing educational technologies and library best practices for effective leadership.	Dir., Library/Textbook Svcs. Dir., Academic Tech. Svcs. Dir., Tech. Training/Development	<ul style="list-style-type: none"> <li>Provided 6 hours professional development for all campus administrators on CMS Account and Align modules, plus 1.5 hours on disaggregating CMS Benchmark data in the Account module.</li> </ul>	<ul style="list-style-type: none"> <li>Provided "Jump Start" training for campus administrators in Cognos.</li> <li>Provided CDB protocol training for elementary vice principals, using CMS.</li> <li>Piloting training and implementation of online LPDAS with administrators at Blattman ES, Connally MS, and Warren HS.</li> </ul>	<ul style="list-style-type: none"> <li>Presented 2 workshops of "Technology Puzzle: Putting it All Together" for campus and District administrators.</li> <li>Created and published a "Social Networking: Web Warning" site for Northside, educators, and students.</li> <li>Provided training materials for LPDAS to principals.</li> </ul>

◆ **Objective 3. Acquire and align fiscal and human resources to support technology use throughout the Organization.**

<b>MAJOR ACTIVITY</b>	<b>PERSON(S) RESPONSIBLE</b>	<b>PROGRESS REPORT 1 (NOV. 2005)</b>	<b>PROGRESS REPORT 2 (MAR. 2006)</b>	<b>PROGRESS REPORT 3 (MAY 2006)</b>
<b>IV.3.1.</b> Manage the E-rate process and submissions throughout the year to receive discounts on telecommunications services and network equipment in accordance with the rules of the federal program.	Exec. Dir., Info./Infra. Svcs. Dir., Integ. Infra. Svcs. Dir., Tech. Acq./Proj. Mgmt. Dir., Academic Tech. Svcs.	<ul style="list-style-type: none"> <li>Responded to selective review request of Funding Year 2005 Form 471 applications from Universal Service Administrative Company/Schools and Library Division.</li> <li>Filed Form 472 reimbursement forms in the amount of \$1.2 million for E-rate Year 7 applications.</li> <li>Determined products and services for E-rate Year 9 applications and created internal connections (network equipment) requirements list for Year 9.</li> <li>Assisting all campuses and teachers with completion of their online Texas School Technology and Readiness (STaR) Chart, as a requirement of the E-rate process.</li> <li>Attended E-rate program seminars to share best practices and learn more about changes in rules and program requirements.</li> <li>Reviewing acquisition documents from other school districts in an effort to glean best practices, different acquisition approaches, etc.</li> </ul>	<ul style="list-style-type: none"> <li>Received \$1,218,395.40 in refunds for E-rate Year 7 applications.</li> <li>Filed Form 470 application for Year 9 services.</li> <li>Released RFP for application of priority 2 services for Year 9; processing bid award recommendations.</li> <li>Filing Form 471 applications for all priority 1 and 2 services prior to mid-February deadline.</li> <li>Continuing to respond to requests for information from Universal Service Administrative Company/Schools and Library Division, as part of the selective review of Funding Year 2005 Form 471 applications.</li> </ul>	<ul style="list-style-type: none"> <li>Filed Form 471 applications for all priority 1 and 2 services for Funding Year 2006.</li> <li>Responded to requests for information from Universal Service Administrative Company/Schools and Library Division, as part of a selective review of Funding Year 2006 Form 471 applications.</li> <li>Released RFP for application of priority 2 services for Year 9; processed bid award recommendations.</li> </ul>

**IV. TECHNOLOGY – Continued**

MAJOR ACTIVITY	PERSON(S) RESPONSIBLE	PROGRESS REPORT 1 (NOV. 2005)	PROGRESS REPORT 2 (MAR. 2006)	PROGRESS REPORT 3 (MAY 2006)
<p><b>IV.3.2.</b> Manage special revenue budget processes (Title II Part D, Technology Bond Program, State Technology Allotment) to effectively use technology to improve student achievement and support technology use throughout the district.</p>	<p>Asst. Supt., Tech. Svcs. Exec. Dir., Info./Infra. Svcs. Dir., Tech. Acq./Proj. Mgmt. Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>Completed online eGrants Evaluation for 2004-2005 funding year for Title II Part D (\$346,000).</li> <li>Established budget and completed online eGrants Application for 2005-2006 funding year for Title II Part D (\$239,000).</li> <li>Collaborating with Title Program Administrators, Special Revenues Director, and PEIMS Coordinator to utilize best practices in identifying Function Codes and Role IDs for special revenue-funded positions.</li> <li>Established and implemented a plan to use old State Technology Allotment, PPFCCO, and Bond funds to increase students' access to technology and upgrade selected software for student use.</li> <li>Continue to maintain/administer budgets and expenditures for the current Technology Bond Program.</li> </ul>	<ul style="list-style-type: none"> <li>Recommended adjustments to funding program in each implementation year for Bond 2004, based on project timelines.</li> <li>Presented update for Citizens Bond Advisory Committee.</li> <li>Continued to maintain and administer budgets and expenditures for the current Technology Bond Program and Title II Part D.</li> <li>Collaborated with Business Office to develop budget for the BCHS one-to-one initiative.</li> </ul>	<ul style="list-style-type: none"> <li>Collaborated with Business Office to split-fund CITs to more accurately reflect direct instructional role.</li> <li>Used Title II D maximum entitlement to purchase wireless laptops and other hardware for NAC and special campuses.</li> <li>Recommended adjustments to funding program in each implementation year for Bond 2004, based on project timelines.</li> <li>Continued to maintain and administer budgets and expenditures for the current Technology Bond Program and Title II Part D.</li> </ul>
<p><b>IV.3.3.</b> Seek new grants and partnerships to better meet instructional and technology-related needs throughout the district.</p>	<p>Asst. Supt., Tech. Svcs. Exec. Dir., Info./Infra. Svcs.</p>	<ul style="list-style-type: none"> <li>Communicated new grant opportunities to CITs and librarians via email and CIT news bulletin.</li> <li>Worked in partnership with the SchoolNet SWAT Team to resolve CMS issues.</li> <li>Established a partnership with Austin ISD to specifically collaborate on SchoolNet and Data Warehousing projects.</li> <li>Entered into a partnership with Fort Bend ISD to share VoIP training and implementation guidelines, as well as future development efforts with this technology.</li> <li>Distributed 3 Professional Learning Grants to librarian awardees, funded by the National School Library Media Program of the Year Award.</li> <li>Participating with 10+ school districts in the Texas SchoolNet User Group.</li> <li>Initiated a "Friends of Northside" (FoN) library organization to educate the community about library services, support activities of the NISD libraries, and advocate for school libraries at all political levels.</li> </ul>	<ul style="list-style-type: none"> <li>Continued to communicate new grant opportunities to CITs and librarians, via email and CIT news bulletin.</li> <li>Provided guidance for equipment/software purchasing, as well as asset tracking in support of the Best Buy Grant.</li> <li>Participating with 10+ school districts in the Texas SchoolNet User Group.</li> <li>Provided one Professional Learning Grant to librarian awardee, funded by the National School Library Media Program of the Year Award.</li> <li>Applied for, and received, a \$1,000 NEF Grant for FoN libraries organization.</li> <li>Scheduled visits (February 13 and February 16) to Pleasanton ISD and Irving ISD to learn about student laptop initiatives.</li> <li>Scheduled to host a March visit with Beeville ISD to discuss and share technology best practices.</li> </ul>	<ul style="list-style-type: none"> <li>Collaborated with Adult and Community Education on implementation planning for a Plaza Comunitaria as part of a partnership with the Mexican Consulate.</li> <li>Provided "Leadership Northside" partnership members with overview of Technology Services' areas of service, current projects, and online tools.</li> <li>Disseminated grant information to librarians.</li> <li>Developed and facilitated three meetings of the "Friends of NISD Libraries"</li> <li>Hosted a March visit with Beeville ISD to discuss and share technology best practices.</li> <li>Participating with 10+ school districts in the Texas SchoolNet User Group.</li> <li>Scheduled a video conference between BCHS teachers and Irving ISD teachers to discuss one-to-one laptop issues.</li> </ul>
<p><b>IV.3.4.</b> Research, plan, and communicate technology requirements for the 2007 Bond Program.</p>	<p>Asst. Supt., Tech. Svcs. Exec. Dir., Info./Infra. Svcs. Dir., Integ. Infra. Svcs. Dir., Tech. Acq./Proj. Mgmt. Dir., Library/Textbook Svcs. Dir., Integ. Info. Systems Dir., Tech. Training/Development Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>Determining the list/order of campuses to receive campus-wide technology deployments for Bond 2007.</li> </ul>	<ul style="list-style-type: none"> <li>Continuing internal discussions/needs assessment.</li> </ul>	<ul style="list-style-type: none"> <li>Continuing internal discussions/needs assessment.</li> </ul>
<p><b>IV.3.5.</b> Explore alternative acquisition strategies for technology equipment.</p>	<p>Asst. Supt., Tech. Svcs. Exec. Dir., Info./Infra. Svcs. Dir., Integ. Infra. Svcs. Dir., Tech. Acq./Proj. Mgmt. Dir., Library/Textbook Svcs. Dir., Integ. Info. Systems Dir., Tech. Training/Development Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>Pursuing trade-in of infrastructure equipment with CISCO to offset equipment purchase costs.</li> <li>After conducting a cost analysis, made decision to revert to "self maintenance" (vs. maintenance contract) for Kronos clocks in an effort to realize an annual savings for maintenance costs.</li> <li>Researching and requesting evaluations of software and printers to support improved check writing capability for the Business Office.</li> <li>Negotiated service contract with Novell to provide service request support, as well as Premier Engineering Support and Consulting.</li> </ul>	<ul style="list-style-type: none"> <li>Developed specifications and supported release of RFP for software that will allow Payroll and Accounts Payable to print MICR checks (check writing capability).</li> <li>Assisted campus and district users in finding most aggressive pricing to meet their technology needs.</li> <li>Continued daily process of creating, releasing, receiving and awarding competitive bids/quotes for various types of technology equipment, software and services.</li> <li>Refreshed Technology Acquisitions website, updating pricing and information for all staff.</li> </ul>	<ul style="list-style-type: none"> <li>Assisted campus and district users in finding most aggressive pricing to meet their technology needs in a timely manner.</li> <li>Continued daily process of creating, releasing, receiving and awarding competitive bids/quotes for various types of technology equipment, software and services.</li> <li>Continued to refresh Technology Acquisitions website, updating pricing and information for all staff.</li> <li>Transitioning to "low end" dial-in service system that saves the District approximately \$5,000 per year and provides connectivity for some staff and vendors.</li> <li>Developed specifications and supported release of</li> </ul>

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RFP for software that will allow Payroll and Accounts Payable to print MICR checks (check writing capability).

**IV. TECHNOLOGY – Continued**

MAJOR ACTIVITY	PERSON(S) RESPONSIBLE	PROGRESS REPORT 1 (NOV. 2005)	PROGRESS REPORT 2 (MAR. 2006)	PROGRESS REPORT 3 (MAY 2006)
<b>IV.3.5. Continued</b>		<p><b>Continued</b></p> <ul style="list-style-type: none"> <li>Reviewed and provided recommendations to the Purchasing Department regarding the destruction and disposal of technology equipment, as referenced in the Electronic Equipment Recycling Bid.</li> <li>Renegotiated site and/or district licenses for software (e.g. Carnegie Cognitive Tutor, NetSupport, etc.) to increase students' access to intervention software, decrease costs, and facilitate ease of management.</li> <li>Assisted campus and district users in finding most aggressive pricing to meet their technology needs.</li> </ul>		
<p><b>IV.3.6.</b> Initiate a Customer Interaction Program to facilitate a deeper understanding of campus and department needs in order to continue to provide exemplary service and support.</p>	<p>Asst. Supt., Tech. Svcs. Exec. Dir., Info./Infra. Svcs. Dir., Integ. Infra. Svcs. Dir., Tech. Acq./Proj. Mgmt. Dir., Library/Textbook Svcs. Dir., Integ. Info. Systems Dir., Tech. Training/Development Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>Established a Customer Interaction Program to include the following components: 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.</li> <li>Collaborating with the Business and Purchasing departments to discuss ways technology can enhance daily processes.</li> <li>Collaborating with Communications Department to determine changes needed to the FoN listserv to ensure a better user experience.</li> <li>Continue to gather and analyze campus responses to service questionnaire following each deployment to improve service and support.</li> <li>Continue to gather and analyze user responses to service questionnaire following Work Order processing to improve service and support.</li> <li>Held first 2005-2006 quarterly meeting for all Technology Services Staff to facilitate communication, collaboration, and collegiality across service areas.</li> </ul>	<ul style="list-style-type: none"> <li>Held a Technology Town Hall for K-12 CIT Advisory Group, providing a useful interchange of questions, answers, and insights.</li> <li>Participating in Job Shadowing within Technology Services Division.</li> <li>Collaborating with other departments to plan for Job Shadowing within their areas.</li> <li>Scheduled February 8 Technology Town Hall for campus administrators and February 15 Technology Town Hall for district administrators.</li> <li>Continue to gather and analyze user responses to service questionnaire following Work Order processing and campus technology deployments to improve service and support.</li> <li>Continued 2005-2006 quarterly meetings for all Technology Services staff, to facilitate communication, collaboration, and collegiality across service areas.</li> </ul>	<ul style="list-style-type: none"> <li>Held Technology Town Hall for Teachers and Technology Town Hall for Counselors, to gain a better understanding of campus technology needs and improve support.</li> <li>Collaborated with Head Counselors, CATE Counselors, and High School Spec. Ed. Coordinators to provide information and gather requirements for application and programming changes.</li> <li>Supporting Food Services Department with projects to upgrade point-of sale system, implementation of free and reduced module, scanning system for processing free and reduced lunch applications, on-line payment program, etc. by developing hardware recommendations, testing data and program functions, reviewing vendor proposals and system specifications.</li> <li>Hosted Project Review Committee with Region 20 and District staff.</li> <li>Participating in Job Shadowing within Technology Services Division and with other departments/campuses.</li> <li>Continued 2005-2006 quarterly meetings for all Technology Services staff, to facilitate communication, collaboration, and collegiality across service areas, including Employee Recognition Program.</li> <li>Developed and shared "Transforming Data into Useful Information" concept map for campus and district administrators.</li> </ul>
<p><b>IV.3.7.</b> Work with principals to evaluate the Elementary Technology Literacy Model in elementary schools.</p>	<p>Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>Gathering data regarding daily lab schedules and activity logs from ECTs and elementary CITs.</li> </ul>	<ul style="list-style-type: none"> <li>Solicited feedback from elementary CITs in the CIT Advisory Group about the Elementary Technology Literacy Model.</li> </ul>	<ul style="list-style-type: none"> <li>No action taken.</li> </ul>

◆ **Objective 4. Develop, implement, and periodically review policies, plans, and procedures that standardize and streamline the evaluation, procurement, deployment, support, maintenance, and management of current, new, and emerging technologies.**

MAJOR ACTIVITY	PERSON(S) RESPONSIBLE	PROGRESS REPORT 1 (NOV. 2005)	PROGRESS REPORT 2 (MAR. 2006)	PROGRESS REPORT 3 (MAY 2006)
IV.4.1. Make substantial revisions to the online Technology Proposal System to improve the technology hardware and software acquisition process.	Dir., Tech. Acq./Proj. Mgmt. Dir., Integ. Infra. Svcs. Dir., Academic Tech. Svcs. Dir., Integ. Info. Systems	<ul style="list-style-type: none"> <li>Developing changes to the current Technology Work Order System, which would consolidate all user requirements for hardware and software acquisition and installation into a single system.</li> </ul>	<ul style="list-style-type: none"> <li>Coordinated with C&amp;I in planning for inclusion of instructional software as part of the district instructional materials review and approval process.</li> <li>Continuing work to develop changes to the current Technology Work Order System, which would consolidate all user requirements for hardware and software acquisition and installation into a single system.</li> </ul>	<ul style="list-style-type: none"> <li>Continuing work to develop changes to the current Technology Work Order System, which would consolidate all user requirements for hardware and software acquisition and installation into a single system.</li> </ul>

#### IV. TECHNOLOGY – Continued

MAJOR ACTIVITY	PERSON(S) RESPONSIBLE	PROGRESS REPORT 1 (NOV. 2005)	PROGRESS REPORT 2 (MAR. 2006)	PROGRESS REPORT 3 (MAY 2006)
IV.4.2. Continue to develop, implement, and train technology personnel on procedures for ensuring data quality and accuracy.	Dir., Integ. Info. Systems	<ul style="list-style-type: none"> <li>Developed and implemented new attendance auditing procedures.</li> <li>Completed first 6 weeks attendance reconciliation audit.</li> <li>Assisted Administration with the development and distribution of student data collection and reporting requirements in response to new legislation regarding FERPA, and hurricane evacuees attending NISD schools.</li> <li>Collaborated with C&amp;I to streamline the district's Master Schedule for 2005-2006 school year.</li> <li>Modified the elementary Master Schedule to support CMS.</li> <li>Supported the move of all secondary campuses to electronic posting of attendance through Grade 2.</li> </ul>	<ul style="list-style-type: none"> <li>Conducted PEIMS Data Review with directors and technology personnel.</li> <li>Participated in "Kronos Connect" training, to support future policy changes that affect bi-weekly payroll.</li> </ul>	<ul style="list-style-type: none"> <li>Completed the 4<sup>th</sup> six weeks attendance reconciliation audit.</li> <li>Created reports for the Bilingual Department to assist with data verification.</li> <li>Supported review and revision of FERPA requirements and reporting guidelines with District Administration.</li> <li>Developed and communicated plan to assist campuses with AUP data entry into iTCCS for 2006-07.</li> </ul>
IV.4.3. Perform a security assessment for web-based applications to ensure security of district data and information systems.	Exec. Dir., Info./Infra. Svcs. Dir., Integ. Infra. Svcs.	<ul style="list-style-type: none"> <li>Completed requirements gathering phase.</li> <li>Drafted acquisitions documentation.</li> <li>Finalizing list of applications to be assessed.</li> </ul>	<ul style="list-style-type: none"> <li>Continuing to finalize acquisition documents prior to release by Purchasing Department.</li> <li>Drafted administrative regulation for improved management and security of email.</li> <li>Collaborated with "Communities in Schools" to assist with data transfer and communications needs.</li> <li>Reviewing all AUP forms; drafted new form for community members.</li> </ul>	<ul style="list-style-type: none"> <li>Updating all District servers with NetShield (antivirus program for servers).</li> <li>Implemented new Microsoft Windows Server Update Services, which enables systems administrators to deploy patches and the latest Microsoft product updates.</li> <li>Developing administrative regulations for improved management and security of e-mail and mobile devices.</li> <li>Updated TEC-01 and all handbooks with latest changes regarding AUP.</li> <li>Installed separate circuit in Central Office to support testing and configuration of security solutions, as well as investigating incidents.</li> </ul>
IV.4.4. Review standards for classroom and library audio visual equipment for possible improvements.	Dir., Library/Textbook Svcs. Dir., Academic Tech. Svcs. Dir., Tech. Acq./Proj. Mgmt. Dir., Integ. Infra. Svcs. Facilities Staff	<ul style="list-style-type: none"> <li>Initiated internal Technology Services discussions, as well as discussions with the Facilities Department, regarding next generation Video Distribution System requirements (digital v. analog, etc.) due to FCC mandates.</li> <li>Collaborating with Facilities Department to research a potential move to digital projectors replacing televisions as the teacher workstation display unit.</li> <li>Continued to provide assistance in getting quotes and making recommendations on standard A/V equipment for district use and new school start-ups.</li> </ul>	<ul style="list-style-type: none"> <li>Solicited feedback from members of the CIT Advisory Group regarding A/V equipment.</li> <li>Collaborating with the Facilities Department to change part of standard A/V package for new campuses (2007 and beyond) to include a projector instead of TV monitor in classrooms.</li> <li>Continued to provide assistance in getting quotes and making recommendations on standard A/V equipment for district use and new school start-ups.</li> </ul>	<ul style="list-style-type: none"> <li>Collaborated with new school principals to update A/V equipment standards for new campuses; processing purchase orders for deployment.</li> <li>Finalized Digital TV specifications and planning for evaluation of new units.</li> </ul>
IV.4.5. Review technology-related design standards and provide input to design standards for new and renovated facilities.	Dir., Library/Textbook Svcs. Dir., Academic Tech. Svcs. Dir., Tech. Acq./Proj. Mgmt. Dir., Integ. Infra. Svcs.	<ul style="list-style-type: none"> <li>Participated in facility design review meetings for Support Services Center, 3 new elementary schools, 1 middle school, and 1 high school.</li> </ul>	<ul style="list-style-type: none"> <li>Solicited feedback from members of the CIT Advisory Group regarding hardware/software/layout standards for campus classrooms and labs.</li> <li>Participating in facility design review meetings for new schools.</li> </ul>	<ul style="list-style-type: none"> <li>Participating in facility design review meetings for new schools and classroom additions.</li> <li>Participated in GT-standards review session with GT Instructional Specialist and teachers to modify GT standard deployment for new schools.</li> <li>Coordinating move of CISCO Modular Labs for Jay HS and BCHS.</li> </ul>

<p><b>IV.4.6.</b> Refine, document, and implement a Disaster Recovery Plan.</p>	<p>Exec. Dir., Info./Infra. Svcs. Dir., Integ. Infra. Svcs.</p>	<ul style="list-style-type: none"> <li>• Identified infrastructure support for disaster recovery; awaiting completion of site preparation for purchase and installation.</li> <li>• Pursued resolution of web/online connectivity security concerns with Region 20.</li> <li>• Reviewing security audit report of Region 20's internal controls and processes for further discussion regarding data security and storage.</li> </ul>	<ul style="list-style-type: none"> <li>• Refining and then documenting back-up schedules and procedures for network servers.</li> <li>• Collaborated with Region 20 to test new encryption processing implemented for data flowing between NISD and Region 20.</li> </ul>	<ul style="list-style-type: none"> <li>• Purchased Enterprise Class Tape Library to provide systematic backup solution for District data.</li> <li>• Brought secondary Internet connection online at backup site; designed architecture for seamless failover of Internet connection to second site; implementation scheduled for mid-June.</li> <li>• Held internal planning meetings to discuss data backup and retention requirements for data residing on NISD systems.</li> </ul>
<p><b>IV.4.7.</b> Continue to implement Desktop Management procedures and tools.</p>	<p>Dir., Integ. Infra. Svcs.</p>	<ul style="list-style-type: none"> <li>• Testing new ZENworks version 6.5, Desktop Management software.</li> <li>• Reviewing alternative desktop "lock down" strategies.</li> <li>• Fine-tuning a management tool for newly deployed Macintosh computers (primarily in the Photography and Journalism Labs).</li> <li>• Pushed the district-designed screensaver to all Windows XP computers district-wide, in accordance with Administrative Regulation TEC-02.</li> </ul>	<ul style="list-style-type: none"> <li>• Initiated pilot with Zachry MS and Oak Hills Terrace ES on new desktop "lock down" solution.</li> <li>• Researching feasibility of utilizing Active Directory design to enforce group policies and utilize Remote Installation Services.</li> <li>• Continuing to fine-tune a management tool for newly deployed Macintosh computers (primarily in the Photography and Journalism Labs).</li> </ul>	<ul style="list-style-type: none"> <li>• Researching alternatives/options for desktop management for District Macintosh computers.</li> <li>• Continuing to work on rollout of pilot campuses for Active Directory project to facilitate improved desktop management.</li> <li>• Working on improved software update for District-wide screensaver.</li> <li>• Testing and planning implementation of new desktop "lock down" solution at 4 new elementary schools and BCHS laptops.</li> </ul>

**IV. TECHNOLOGY – Continued**

MAJOR ACTIVITY	PERSON(S) RESPONSIBLE	PROGRESS REPORT 1 (NOV. 2005)	PROGRESS REPORT 2 (MAR. 2006)	PROGRESS REPORT 3 (MAY 2006)
IV.4.8. Continue the implementation of the 2002-2007 Bilingual Library Material Plan to increase holdings of resources for bilingual campuses.	Dir., Library/Textbook Svcs.	<ul style="list-style-type: none"> <li>Compiled statistical report showing increase of Spanish holdings by campus and disseminated to librarians and principals.</li> </ul>	<ul style="list-style-type: none"> <li>Transferred records and 2 boxes of Spanish materials from Glass ES to Cody ES.</li> <li>Disseminate additional budget amounts to bilingual campuses for purchase of Spanish materials using 2004-2005 rollover funds.</li> </ul>	<ul style="list-style-type: none"> <li>Ordering Spanish materials for 3 new bilingual campuses.</li> <li>Processed 54 Hindi items for Glenoaks.</li> </ul>

◆ **Objective 5. Provide and sustain a secure, robust, reliable, and flexible infrastructure that ensures multi-directional accessibility, links fully equipped facilities, and supports current, new, and emerging technologies.**

MAJOR ACTIVITY	PERSON(S) RESPONSIBLE	PROGRESS REPORT 1 (NOV. 2005)	PROGRESS REPORT 2 (MAR. 2006)	PROGRESS REPORT 3 (MAY 2006)
IV.5.1. Implement expanded centralized data file storage equipment and services, including secure network file storage for secondary students.	Dir., Tech. Acq./Proj. Mgmt. Dir., Integ. Infra. Svcs. Dir., Integ. Info. Systems Dir., Academic Tech. Svcs.	<ul style="list-style-type: none"> <li>Obtained Board approval July 26, 2005.</li> <li>Project commenced in August 2005 and is on schedule, with secure network file storage for secondary students to be piloted at Rawlinson MS and Warren HS in the fall semester.</li> </ul>	<ul style="list-style-type: none"> <li>Finalizing folder structure details and sizing per student.</li> <li>Investigating feasibility of providing access to student storage areas from home.</li> <li>Developing hardware and software specifications for tape back-up solution for SAN in order to release an RFP.</li> <li>Working with Novell to ensure best way to add student storage accounts to the Network "tree" without degrading network performance in other areas.</li> </ul>	<ul style="list-style-type: none"> <li>Developed interface for the Student Secure Network Storage system.</li> <li>Piloting system at Rawlinson MS and Warren HS; coordinated training for teachers and students via CITs.</li> <li>Continuing planning efforts for student access from home (slated for possible summer rollout).</li> <li>Released RFP for Tape Back-Up solution; awarded hardware solution and processed purchase order; responses for software have been received and are being received and evaluated.</li> </ul>
IV.5.2. Implement the Integrated Security Management System at all high schools.	Exec. Dir., Info./Infra. Svcs. Dir., Integ. Infra. Svcs. Dir., Integ. Info. Systems	<ul style="list-style-type: none"> <li>Collaborated with project team to determine district-wide system management and design requirements.</li> <li>In the cutover/testing phase at Jay HS.</li> <li>Completed review of initial system design for Stevens HS.</li> <li>Scheduled meeting to review initial system design for Holmes HS.</li> <li>Walk-throughs at all high school campuses completed by vendor; preparing documents for review.</li> </ul>	<ul style="list-style-type: none"> <li>Completed installation of video systems at Jay, Stevens, and Warren high schools.</li> <li>In progress; Warren HS and Taft HS under construction.</li> <li>Remaining high schools in design phase.</li> <li>Piloted new video system upgrade at Jay HS prior to implementation at other schools.</li> </ul>	<ul style="list-style-type: none"> <li>Completed installation of video systems at seven high schools.</li> <li>Clark HS, Health Careers HS, and Holmgreen Center are under construction.</li> </ul>
IV.5.3. Acquire, design, develop, and begin implementation of a new district Data Warehouse.	Exec. Dir., Info./Infra. Svcs. Dir., Integ. Infra. Svcs. Dir., Integ. Info. Systems Dir., Tech. Acq./Proj. Mgmt.	<ul style="list-style-type: none"> <li>Finalizing position descriptions to forward to HR for posting/release in support of the Data Warehouse project.</li> <li>Reviewed RFPs used to acquire and implement a Data Warehouse from other educational and business entities; incorporating best practices and lessons learned in project plan and draft RFP.</li> </ul>	<ul style="list-style-type: none"> <li>Posted 2 positions to support the Data Warehouse project (Data Management Services Coordinator and Storage Systems Administrator).</li> <li>Continuing collaboration with other districts to acquire lessons learned and acquisition documentation.</li> </ul>	<ul style="list-style-type: none"> <li>Provided initiative overview briefing to Cabinet.</li> <li>Storage Systems Administrator position filled; continuing to review/interview Data Management Services Coordinator applications.</li> <li>Planning underway for District-wide initiative kick-off meeting to finalize implementation plan, draft RFP, etc.</li> </ul>
IV.5.4. Acquire and implement a district-wide streaming media content delivery system to support student achievement.	Dir., Tech. Acq./Proj. Mgmt. Dir., Integ. Infra. Svcs. Dir., Library/Textbook Svcs. Dir., Tech. Training/Development Dir., Academic Tech. Svcs.	<ul style="list-style-type: none"> <li>Processed quotes and signed contract for UnitedStreaming digital media content.</li> <li>Awaiting delivery of media content; video server(s) configured and ready.</li> </ul>	<ul style="list-style-type: none"> <li>Loaded content and user accounts, tested, and implemented streaming digital-video-on-demand to the desktop solution district-wide (UnitedStreaming).</li> <li>Collaborated with vendor to establish a support structure within NISD to streamline troubleshooting and reporting of issues.</li> <li>Acquired Password Reset authorization for Help Desk to assist NISD users when needed.</li> </ul>	<ul style="list-style-type: none"> <li>Implemented NISD support structure to report and resolve system issues.</li> <li>Software upgrade completed on June 1.</li> </ul>
IV.5.5. Refine requirements and pilot a district Document Management System.	Exec. Dir., Info./Infra. Svcs. Dir., Tech. Acq./Proj. Mgmt. Dir., Integ. Infra. Svcs. Dir., Tech. Training/Development Dir., Integ. Info. Systems	<ul style="list-style-type: none"> <li>Attended records management, document management, and document imaging seminars to gain better insight into current implementation strategies and lessons learned from other participants.</li> <li>Reviewing "model" implementation plans and RFPs provided by renowned authorities and published authors on records management and document imaging systems for inclusion into requirements and acquisition documents.</li> </ul>	<ul style="list-style-type: none"> <li>Finalizing draft project plan and system specifications for internal review and presentation to stakeholders.</li> <li>Provided district Records Management services, including processing 86 requests for retrieval of records from the Records Storage Center, 395 requests for transcripts, and shredded 83,143 lbs of paper and 435 lbs of non-paper.</li> </ul>	<ul style="list-style-type: none"> <li>Provided district Records Management services, including processing 129 requests for the retrieval of 592 records from the Records Storage Center, 344 telephone/written verifications and 435 requests for transcripts.</li> <li>Promoted ARMA's designation of Records and Information Management month to include "Clean Up Your Files" initiative.</li> <li>Planning underway for meeting with Business and HR Department staff to review/finalize draft Project Plan</li> </ul>

				and RFP. • Discussed pilot timeline with Business Department, summer implementation planned.
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**IV. TECHNOLOGY – Continued**

MAJOR ACTIVITY	PERSON(S) RESPONSIBLE	PROGRESS REPORT 1 (NOV. 2005)	PROGRESS REPORT 2 (MAR. 2006)	PROGRESS REPORT 3 (MAY 2006)
<p><b>IV.5.6.</b> Establish a Redundant Site at the Northside Support Services facility in order to support the goal of uninterrupted service to critical applications and services.</p>	<p>Exec. Dir., Info./Infra. Svcs. Dir., Integ. Infra. Svcs.</p>	<ul style="list-style-type: none"> <li>Participated in 100% design review of redundant site and records storage/management areas within the new center.</li> <li>Coordinated and planned phone and network connectivity for December 2005 installation.</li> </ul>	<ul style="list-style-type: none"> <li>Rescheduled data circuit installation to February 13.</li> <li>Continuing to coordinate with Facilities Department regarding necessary arrangements to provide network and phone connectivity to the facility.</li> </ul>	<ul style="list-style-type: none"> <li>Activated network services at back-up site.</li> <li>Installed necessary phone and network lines for initial phase of project.</li> <li>Working on rack design/layout for warehouse portion of site.</li> </ul>
<p><b>IV.5.7.</b> Research and implement, where possible, synchronized passwords and/or single sign-on technology, as well as password self-service.</p>	<p>Dir., Integ. Infra. Svcs. Dir., Integ. Info. Systems</p>	<ul style="list-style-type: none"> <li>Gathering password requirements from in-house developed and vendor provided applications; will evaluate where changes to password schema can be made.</li> <li>Required all new application developments and acquisitions to be Lightweight Directory Access Protocol (LDAP) compatible (an Internet protocol that programs use to look up information from a server).</li> <li>Continuing to change old Novell accounts to E# schema during campus technology deployments.</li> </ul>	<ul style="list-style-type: none"> <li>Reviewing password information gathered to determine where changes to password schema can be made.</li> <li>Evaluating means to use identity management application functions of the student storage project to assist with possible changes to password schema.</li> <li>Continuing to change old Novell accounts to E# schema during campus technology deployments.</li> </ul>	<ul style="list-style-type: none"> <li>Planning the schedule for summer conversion from campus accounts to e-number accounts for all remaining elementary school staff and central office staff.</li> <li>Evaluating the possible use of identity management application functions from the student storage project to assist with possible changes to password scheme.</li> </ul>
<p><b>IV.5.8.</b> Implement Parent Connection Phase I, to enable parents to view online grades and attendance for all secondary schools.</p>	<p>Dir., Integ. Infra. Svcs. Dir., Integ. Info. Systems Dir., Tech. Training/Development Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>Successfully launched Parent Connection at all secondary schools on September 12, 2005; providing continued support (servers, application, data, training, etc.).</li> </ul>	<ul style="list-style-type: none"> <li>Completed.</li> </ul>	<ul style="list-style-type: none"> <li>Completed.</li> </ul>
<p><b>IV.5.9.</b> Implement Parent Connection Phase II, to enable parents to view online student profiles, academic data, and assessment data from the Curriculum Management System.</p>	<p>Asst. Supt., Tech. Svcs. Dir., Integ. Info. Systems Dir., Tech. Training/Development Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>Planning to add parent accounts for CMS at selected pilot schools in the spring so parents can view academic and enrollment data, demographic data, and assessment data for their student(s).</li> </ul>	<ul style="list-style-type: none"> <li>Working with SchoolNet to develop user name and password schema; pilot may be delayed until fall 2006.</li> </ul>	<ul style="list-style-type: none"> <li>Pilot successfully completed at Stevenson MS and Clark HS.</li> </ul>
<p><b>IV.5.10.</b> Enhance the effective use of elementary and secondary grade book applications via procurement, implementation, training, and technical support.</p>	<p>Dir., Integ. Info. Systems Dir., Integ. Infra. Svcs. Dir., Tech. Acq./Proj. Mgmt. Dir., Tech. Training/Development Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>Collaborating with elementary C&amp;I committee to determine requirements for a revised/standardized report card.</li> <li>Completed elementary Excel/Access grade book enhancements and provided training for CITs.</li> <li>Completed Grade 2 grade book version upgrade (v. 5.12) for all but 4 secondary campuses.</li> <li>Piloting Grade 2 grade book v. 5.21 at 2 schools; required at all secondary campuses in support of the upcoming Web grade book implementation.</li> <li>Procured and installed new server to support implementation of Web grade book.</li> <li>Evaluating the Grade 2 grade book application's enterprise architecture.</li> </ul>	<ul style="list-style-type: none"> <li>Upgraded version of the grade book program for all secondary campuses in preparation for the implementation of the Web grade book.</li> <li>Successfully implemented a Web grade book service for all secondary teachers (provides access to their grade books from home).</li> <li>Collaborating with vendor and C&amp;I to determine enterprise architecture and other requirements for expanded implementation of grade book applications, to include elementary schools district-wide.</li> </ul>	<ul style="list-style-type: none"> <li>Developed RFP; coordinated Design Team's review of proposals and vendor presentations; awarded contact to Campusware Gradespeed.</li> <li>Working with vendor to implement infrastructure and set up the gradebook and report card functionality.</li> <li>Developed a timeline for the implementation of the elementary grade book program and instituted standing weekly meetings for NISD only and NISD/vendor staff, along with needed interdepartmental side meetings to discuss attendance issues, grading issues, etc..</li> <li>Developed an elementary grade book staff development plan for CITs, teacher trainers, teacher trainees, principals, and attendance secretaries.</li> </ul>
<p><b>IV.5.11.</b> Support the acquisition and implementation of a new Radio Communications System for the NISD Police Department.</p>	<p>Dir., Tech. Acq./Proj. Mgmt. Dir., Integ. Infra. Svcs.</p>	<ul style="list-style-type: none"> <li>Editing final copy of RFP for November 2005 release, to include Radio Communications System and Computer-Aided Dispatch System.</li> </ul>	<ul style="list-style-type: none"> <li>Released RFP for Radio Communications System and Computer-Aided Dispatch System; participated in pre-proposal conference with vendors, NISD Police, Purchasing, and Facilities departments.</li> <li>Planned March 28 award to vendor with installation to begin in April 2006.</li> </ul>	<ul style="list-style-type: none"> <li>No award resulted from RFP process.</li> <li>New RFP to be developed by NISD Police Department, to exclude solution design (design to be provided by NISD PD).</li> </ul>

**IV. TECHNOLOGY – Continued**

MAJOR ACTIVITY	PERSON(S) RESPONSIBLE	PROGRESS REPORT 1 (NOV. 2005)	PROGRESS REPORT 2 (MAR. 2006)	PROGRESS REPORT 3 (MAY 2006)
<p><b>IV.5.12.</b> Continue Campus Technology Deployments of district-standard hardware and software according to a six-year replacement cycle.</p>	<p>Dir., Tech. Acq./Proj. Mgmt. Dir., Integ. Infra. Svcs. Dir., Library/Textbook Svcs. Dir., Tech. Training/Development Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>• Deployed new technology (1,396 computers; 755 printers) campus-wide to 9 schools since September 2005 (Glenoaks ES, Valley Hi ES, Northwest Crossing ES, Boone ES, Linton ES, Passmore ES, Stevenson MS, Jordan MS, and Stinson MS).</li> <li>• Deploying 56 additional computers to Industrial Technology labs at 7 middle schools (Rayburn, Jones, Ross, Hobby, Neff, Pease, and Rudder).</li> <li>• Repurposed approximately 955 older computers to classrooms since September 2005.</li> <li>• Deployed new technology to Specialty Labs (Journalism, Photography, Drafting) at 7 high schools, replacing hardware, software, peripheral, and A/V equipment.</li> <li>• Continuing acquisition process for new Language Lab technology for Stevens, O'Connor, and the O'Connor/Clark Reliever high schools.</li> <li>• Continued to provide end-user training to campuses following technology deployments.</li> </ul>	<ul style="list-style-type: none"> <li>• Completed fall 2005 campus deployments, installing an additional 835 workstations and 435 printers in schools.</li> <li>• Repurposed an additional 665 computers during fall deployments.</li> <li>• Initiated project planning for operating system upgrades (Win '98 to Win XP) at 25 campuses on an estimated 2,500 workstations.</li> <li>• Working with Stevens HS and O'Connor HS on installation timelines for new International Language labs.</li> <li>• Continued to provide end-user training at 2 campuses with 235 participants.</li> </ul>	<ul style="list-style-type: none"> <li>• Upgraded to Windows XP at all remaining campuses that had Windows 98 (approximately 2,500 workstations).</li> <li>• Working with O'Connor HS on installation timelines for new International Language lab.</li> <li>• Completed technology deployment planning for new additions and expansions as well as moves and upgrades. These sites include: Natatorium, Reddix addition, Glen addition, Leon Valley and redeployments of Colonies North ES, Leon Valley ES, and Timberwilde ES</li> </ul>
<p><b>IV.5.13.</b> Develop applications and system interfaces to meet instructional and operational needs, to include training and technical support.</p>	<p>Dir., Integ. Info. Systems Dir., Tech. Training/Development Dir., Academic Tech. Svcs.</p>	<ul style="list-style-type: none"> <li>• Developed system interfaces and/or provided application support for: <ul style="list-style-type: none"> <li>▪ On-line Budget Submission</li> <li>▪ Budget Transfer Request</li> <li>▪ Student Activity Fund Transfer</li> <li>▪ Online Handbook Acknowledgement for specified staff</li> <li>▪ Web-based stipends module</li> <li>▪ Winocular online application for substitutes</li> <li>▪ Supplemental Pay module</li> <li>▪ Volunteer module</li> </ul> </li> <li>• Worked with vendor to support HR's need for the design and installation of a customized report which provides employee absence information (greater than 10 absences).</li> <li>• Developed and implemented Cognos reports supporting PEIMS.</li> <li>• Working to improve the Credit Checking portion of the Four Year Plan in the iTCCS system to support counselors' needs and created a Cognos report to assist counselors with determining grade level based on credits earned.</li> <li>• Provided specifications for a server to support an energy management application.</li> <li>• Assisted with specifications, acquisition, and installation of a new server for the Facilities Department that will support cataloging of CAD documents.</li> <li>• Created a GroupWise resource for all Food Services Cafeteria Managers to support their daily management duties.</li> <li>• Provided technical review and support for Food Services' pilot of Texas Association for School Nutrition "Fundamentals" program.</li> <li>• Broadened the use of listserv technology to other departments.</li> <li>• Completed Cognos version 7.3 upgrade; provided training and transition assistance to users.</li> <li>• Purchased and set up high volume printers for Information Services to support more efficient and faster production of student and business products.</li> <li>• Established a small SQL server farm to support district development, production, and Web application requirements.</li> </ul>	<ul style="list-style-type: none"> <li>• Designed a new online appraisal tool for librarians (LPDAS) to be used by Administrators and Librarians.</li> <li>• Modified Benefit America import files to meet change in benefit policy.</li> <li>• Released Online Supplemental Pay system for campus' use.</li> <li>• Modifying the Electronic Budget Transfer program to accommodate use by departments.</li> <li>• Assisting the Business Office with the yearly base budget submission process via the Electronic Budget submission system.</li> <li>• Evaluating hardware and other support requirements for SEMS upgrade.</li> <li>• Collaborating with Food Service, Counseling, Purchasing, and Business departments to finalize requirements for an RFP to acquire an online prepayment program, to be incorporated into Parent Connection.</li> <li>• Reviewed and provided inputs on draft specifications/RFP to support Food Services' point of sale requirements.</li> <li>• Implemented upgrade to Lockwood inventory management program.</li> <li>• Assisted Business Office with programming change request to Region 20 in support of non-exempt overtime pay administrative change.</li> </ul>	<ul style="list-style-type: none"> <li>• Developed and implemented a program to take the place of the Triand for TPRI and Tejas Lee data collection.</li> <li>• Successfully completed the online course requests process for CAHS, HCHS, and Jay HS.</li> <li>• Began modifications on the Online School Improvement Plan for 2006-07.</li> <li>• Created the 2005-06 Personal Graduation Plan interface in the CMS.</li> <li>• Completed development and testing of the Librarian PDAS system.</li> <li>• Modified Electronic Budget Submission program for the 2006-07 submission process.</li> <li>• Modified Budget Change Request program to allow Departmental use.</li> <li>• Assisted the Payroll department with finding a solution for converting microfilm to CD.</li> <li>• Collaborating with Business Department to update records manager in Kronos program.</li> <li>• Developed an application and infrastructure support plan to enhance the processing of high school summer school registration fees.</li> <li>• Made modifications to the pre-printed elementary AGR's and printed AGR's for all elementary students.</li> <li>• Made adjustments to the 10 day absence report in support of HR/Benefits requirements.</li> <li>• Collaborating with OSD and HR in the development of an application that will allow administrators to review status of required training (AUP, Sexual Harrassment, Handbook Acknowledgement)</li> <li>• Communicated requirements for, tested and tracked multiple changes to the iTCCS system for Payroll, Finance, Accounting and the High School Head Counselors.</li> <li>• Assisted OSD in identifying over 8,000 records in the ERO system that could be removed or modified, thus reducing their yearly fee.</li> <li>• Assisting the HR Department in the implementation of</li> </ul>

				an online application for classified staff job postings. <ul style="list-style-type: none"> <li>Created 37 new Cognos reports for campus and district administrators.</li> </ul>
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#### IV. TECHNOLOGY – Continued

MAJOR ACTIVITY	PERSON(S) RESPONSIBLE	PROGRESS REPORT 1 (NOV. 2005)	PROGRESS REPORT 2 (MAR. 2006)	PROGRESS REPORT 3 (MAY 2006)
IV.5.14. Continue to expand and improve the use of mobile wireless technology.	Dir., Integ. Infra. Svcs. Dir., Library/Textbook Svcs. Dir., Tech. Training/Development Dir., Academic Tech. Svcs.	<ul style="list-style-type: none"> <li>Evaluating Dell Axim handheld as a replacement for Palm product for use with Schedule Viewer grade book application.</li> <li>Conducted extensive research on internal wireless cards provided in Dell laptops; determined compatibility problems in NISD environment with some of the wireless cards; working with Dell to resolve these issues.</li> <li>Investigating change in management of wireless technology; moving from the management of each access point to an enterprise management solution.</li> <li>Completed survey, design recommendations, and assisted with equipment acquisition for wireless connectivity in Central Office, Human Resources, and Student Services.</li> <li>Conducted wireless survey for new Excel Academy site at Holmes HS.</li> <li>Investigating the possible implementation of integrated mobile communication devices (i.e. Blackberry-type devices) for selected administrative staff.</li> </ul>	<ul style="list-style-type: none"> <li>Completed evaluation of new Dell Axim model.</li> <li>Continuing to research current cellular provider's smartphone technology and offerings.</li> <li>Developing technical specifications for RFP to support centrally managed wireless architecture for Business Careers HS one-to-one laptop initiative.</li> <li>Completed installation of wireless access points at HR, Central Office, and Student Services, providing complete wireless coverage at these sites.</li> <li>Assisting Jay HS with defining requirements for infrastructure to support possible use of wireless architecture in the Science and Engineering Academy.</li> <li>Completed implementation of wireless access capability for NAMS-North.</li> <li>Moved campus wireless infrastructure as part of Excel Academy move to Holmes HS.</li> </ul>	<ul style="list-style-type: none"> <li>Awarded RFP for centrally managed wireless architecture for BCHS initiative; installation of system 90% complete at BCHS.</li> <li>Testing feasibility of using Aruba omni directional antennae as a viable option for use in wireless portable deployments.</li> </ul>
IV.5.15. Refine requirements and plan for a new Student Information System.	Asst. Supt., Tech. Svcs. Exec. Dir., Info./Infra. Svcs. Dir., Integ. Infra. Svcs. Dir., Tech. Acq./Proj. Mgmt. Dir., Integ. Info. Systems	<ul style="list-style-type: none"> <li>Continuing to collect information to refine requirements.</li> </ul>	<ul style="list-style-type: none"> <li>Continuing to collect information to refine requirements.</li> </ul>	<ul style="list-style-type: none"> <li>Continuing to collect information to refine requirements.</li> </ul>
IV.5.16. Deploy approximately 120 re-purposed Macintosh computers to middle school and high school libraries in order to increase students' access to online resources for information acquisition and research purposes.	Dir., Tech. Acq./Proj. Mgmt. Dir., Library/Textbook Svcs. Dir., Integ. Infra. Svcs.	<ul style="list-style-type: none"> <li>Distributed information about Mac availability to middle and high schools.</li> <li>Created Images for libraries; preparing to deploy computers at 4 campus libraries.</li> <li>Working on image for evaluation to possibly use Macs as intervention tool for RiverDeep implementation at elementary schools.</li> </ul>	<ul style="list-style-type: none"> <li>Preparing to deploy remaining used Macs as intervention tool at several elementary campuses.</li> </ul>	<ul style="list-style-type: none"> <li>Provided intervention computers (used PC's and MAC's) to 23 campuses.</li> </ul>
IV.5.17. Research expansion of functions and features provided by the Voice over IP (VoIP) telecommunications system.	Dir., Integ. Infra. Svcs.	<ul style="list-style-type: none"> <li>Continuing to fine-tune 911 notification/gateway system and investigating ways to run daily maintenance tests.</li> <li>Completed and published updated online training materials.</li> <li>Provided phone traffic study information to Transportation Department.</li> <li>Developed Integrated Concentration Device (ICD) backup procedures.</li> </ul>	<ul style="list-style-type: none"> <li>Completed 911 testing for all district sites.</li> <li>Pushed Malicious Call ID feature to phones that provide alert/tracking mechanism in the event of a malicious call.</li> <li>Created a notification feature that alerts front office campus personnel and NISD Dispatch when a 911 call is initiated from a particular campus.</li> <li>Reviewing VoIP architecture and redundancy configuration to ensure optimal performance.</li> </ul>	<ul style="list-style-type: none"> <li>Continued to work on redundancy and configuration recommendations with solution engineers.</li> </ul>
IV.5.18. Complete Network Control Center upgrades.	Dir., Integ. Infra. Svcs.	<ul style="list-style-type: none"> <li>Moved 70 servers in support of upgrade project; re-cabled 4,000 feet of copper and 2,000 feet of fiber cabling.</li> <li>Brought 1 new core switch into production and created 8 GB Ether channel backbone between core switches at the Central Office.</li> <li>Installed new Internet circuit to provide 500mb throughput to Internet, new Cisco Pix firewall, and new Internet router.</li> <li>Reconfigured all network server segments to enhance network traffic flow.</li> <li>Researched and began testing new Network Traffic analyzing tool to identify and manage bandwidth (by protocol); allows for</li> </ul>	<ul style="list-style-type: none"> <li>Continued cabling project is 85% complete.</li> <li>Acquired and installed Network Traffic Analyzing tool to support effective management of bandwidth.</li> </ul>	<ul style="list-style-type: none"> <li>Data Center project is 95% complete (Completed flooring project in data center and all server moves associated with project.)</li> <li>Completed Groupwise 7 upgrade; changed architecture for entire Groupwise system to incorporate cluster design.</li> <li>Preparing for implementation of e-mail content filtering to reduce the flow of spam inside the District.</li> <li>Defining requirements and planning for Lotus Notes and Cognos versions upgrade.</li> </ul>

		effective management of NISD bandwidth.		
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