Technology Plan Committee

Thanks go to these people for their active participation and contributions in the completion of this Technology Plan for Grandview Independent School District

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Butch Russell – Business Representative
Carolyn Neff – Parent Representative
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Special thanks go to the Educational Technology Division of the Education Service Center Region XI and Education Service Center Region XII
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Executive Summary

The Grandview Independent School District Technology Plan demonstrates our intent to integrate new technological programs and to expand existing programs and infrastructure ensuring that technology is used in a variety of educational, assessment, and administrative settings. Members of the school population will be lifelong learners using technology to foster active, authentic learning and to become information literate. The advances in information technology have created exponential growth in all areas of knowledge and in the means for accessing that data; therefore student achievement through information literacy is at the core of our technology plan.

While the mission and vision for our technology plan are supported by the Board, the evolving nature of technology is reflected in the goals, objectives, and strategies for improvements in student learning and ongoing staff development to enhance technology integration. Beginning with the annual needs assessment, the administration determines the areas of strength and weakness for both professional staff and student body. The Texas STAR Chart for the teachers and campuses are considered in determining progress toward meeting the goals of the Long Range Plan for Technology 2006-2020 (LRPT) and in preparing for the current technology plan. This tool establishes a minimum level of technology access and use in our local education agency as we set benchmarks and goals for both staff and students. Objectives aligned with No Child Left Behind Act of 2001 (NCLB) seek to improve academic achievement through the use of technology in elementary and secondary schools while assisting every student in becoming technologically literate by the end of eighth grade and encouraging effective integration of technology resources and systems through teacher training and curriculum development. Furthermore, the technology committee has considered funding priorities and the allocation of funds to benefit students. The Board has committed a portion of the annual district budget to enhance teachers’ and students’ acquisition of knowledge through technology.

The technology committee is cognizant that technological tools will be used to find information, collect, organize and interpret data, and present results. Beyond this, our technology investment will be utilized to adapt instruction to special student needs, to support different learning styles and differentiated learning, and to supply multiple means of expression (multimedia presentation tools), engagement (simulations and software), and representation (digital images and sounds). Our instructional staff will effectively apply technology in collecting, organizing, analyzing, disaggregating, and reporting student achievement data. Through data organization tools (spreadsheets and databases) and automated student information systems (PEIMS and Skyward), administrators and teachers will identify strengths and weaknesses in curriculum and instruction.

The Grandview ISD technology planning committee has revisited the 2009-2010 Technology Plan for the district with a high priority on the delivery of technology services through strategic planning. The focus remains on student achievement and on staff development to support the integration of technology.
**Purpose**
Grandview ISD has prepared this Technology Plan to articulate a common vision for technology across the district and identify the strategies that will facilitate our use of advanced technology to improve the academic achievement and technology literacy of all students through rigorous curriculum standards and the development of critical thinking skills that are essential for academic and workplace success; to empower all educators and students through connectivity; to foster the capacity of all teachers to integrate technology effectively into curriculum and instruction; and to build and maintain supportive infrastructure.

**Background**
This plan is based on information drawn from many sources including:
- An inventory of district hardware and instructional media.
- District and campus site based committees
- District and Campus Improvement Plans
- Education Service Center Region XI and Region XII
- *No Child Left Behind Act of 2001*
- *Texas STaR Charts* for teachers and campuses
- *Long Range Plan for Technology 2006-2020*
- *Information Power: Building Partnerships for Learning*
- *Technology Briefs for NCLB Planners*
- *E-Rate Central*
- *Texas ePlan Assistance Guide*

**Parameters**
This Technology Plan is driven by the state curriculum standards and supports the educational mission and instructional goals of Grandview ISD and of the *No Child Left Behind Act of 2001*. Specific attention is given to addressing student standards for technology as defined by the *Technology Applications Texas Essential Knowledge and Skills (TEKS)* required in the Texas Education Code, Section 28.002. The Technology Applications TEKS found in 19 Texas Administrative Code (TAC) Chapter 126 describe what students should know and be able to do using technology. As a part of the enrichment curriculum, these TEKS are to be used as guidelines for providing instruction. The goal of the Technology Applications TEKS is for students to gain technology-based knowledge and skills and to apply them to all curriculum areas at all grade levels.

The plan stresses the importance of ongoing and sustained staff development in the integration of technology into the curriculum for teachers, principals, administrators, and school library media personnel to further the effective use of technology in the classroom or library media center. It also is consistent with the recommendations for LEAs as defined by the *Texas Long Range Plan for Technology* in the areas of Teaching and Learning, Educator Preparation and Development, Leadership Administration and Support Services, and Infrastructure, as well as the E-rate application guidelines, and other state standards, such as the adopted *Technology Applications Standards for Beginning Teachers*. 
Vision Statement
Grandview ISD recognizes that information literacy - the ability to find and effectively use information - is the foundation of lifelong learning. To this end Grandview ISD envisions students and staff as effective users of technology, ideas, and information and will provide intellectual and physical access to information in many formats; will provide effective instruction to promote competence; and will foster collaboration among students, staff, and community to expand opportunities for learning and academic achievement. Our students will experience a wide variety of instructional approaches, will demonstrate higher achievement and deeper engagement, and will encounter professionally trained staff that can support their endeavors toward academic excellence.

Mission Statement
The mission of the Grandview Independent School District is to provide a technology infrastructure that will support emerging technologies and maintain current technologies so opportunities to access intellectual and physical resources will be equitably distributed throughout the district enabling instruction in multiple formats and stimulating interest through learning strategies that meet the needs of individual students as they become effective users of ideas and information to maximize achievement.

Demographics
*District Accountability Rating: Recognized
*Total Student Enrollment: 1118
*Percent Economically Disadvantaged: 50%
*Total budget: $10,000,000 estimated
*Number of campuses: 4
Technology Expenditures: $591,393 projected for 2010-2011
*Technology Expenditure per Pupil: $529
*Technology as Percentage of Budget: 5.9%
Number of Campuses with Direct Connection to Internet: 4
*Percent of Campuses with Direct Connection to Internet: 100%
Percent of Classrooms with Direct Connection to Internet: 100%
Computer/Student Ratio: 1:2.6
Computer/Teacher Ratio: 1:1
Number of campuses completing the Texas Campus STaR Chart: 4
*Percent of campuses completing the Texas Campus STaR Chart: 100%

General Introduction
Centrally located in this rural district, Grandview Independent School District has four schools on one campus. The ninety-two teachers instruct 1100 students ranging from prekindergarten (three-year-olds) through twelfth grade. Our local school district binds the community of 1450 members beyond the educational realm through expanded opportunities for interaction, entertainment, employment, and community education.
During the final decade of the twentieth century, the technology committee began planning for technology growth as legislation at the state and federal levels required more documentation, as developments in technology began growing exponentially, and as a vision for a global society evolved, thus bringing changes in curriculum and instruction. This committee under the directives of our administration has moved into the new century with the vision of preparing our students for the world beyond the boundaries of our rural community as we move to connectivity with our global society. Based on a vision of where the district desires to be, the administration has gathered information on needs for staff development and physical resources to improve academic achievement. Using this data and the Texas STaR Chart, the technology plan has evolved and grown as it has been implemented throughout the district. Undergoing continual modifications as resources have been added, evaluations have been assessed, strategies have been executed, and goals have been honed to meet the changing needs of our staff and student body in achieving academic excellence, this plan remains in a state of flux.

The technology plan committee has developed goals, expectations, and strategies to impact staff development, student learning, integration of technology, and infrastructure; and this committee is dedicated to providing technology tools and resources to continuously improve academic achievement. The district has made great strides in providing hardware, software, and staff development for our community of learners. Internet with its resources and activities for learning presents a diversity of experiences, opinions, and perspectives unseen a decade ago but now integrated and utilized by our staff and students.

Under the guidance of Superintendent Scharnhorst, Grandview ISD is striving to focus on the vertical and horizontal alignment of the Texas Essential Knowledge and Skills (TEKS) including Technology Applications to achieve continuous academic improvement. This committee seeks to allocate appropriate hardware, software and resources to ensure that all students become technologically literate by the end of eighth grade through effective research-based instruction using technology integrated curriculum and on-going professional development. Our goals parallel and support state curriculum content standards and the Long Range Plan for Technology, 2006-2020. Objectives are aligned with the No Child Left Behind Act of 2001 legislation and E-rate. Annually the committee will address new legislation, developments in technology, funding issues, community and business expectations, changing school climates both locally and globally, and requirements of higher education to identify areas of concern and strengthen our technology plan. This document will be a “work-in-progress” that will have items added when a need arises and deleted when they are completed.

**Needs Assessment**

**Assessment Process**
A comprehensive needs assessment utilizing teacher/student input, district and campus site-based sessions, inventories, and the Texas Teacher and Campus STaR Charts was conducted to analyze the status of technology in the district and determine future needs. Our district reflects the situation expressed in Progress Report on the Long-Range Plan for
Technology 1996-2010 given to the 79th Texas Legislature which indicates budget shortfalls at state level for educational technology. Lacking these crucial funds and programs to support our technology performance, the district is relying heavily on local funds to update the infrastructure and strengthen our programs. Our district utilized fund balance to add Extron PoleVault audio-visual presentation equipment with projectors, document cameras and DVD players to every classroom. Also using the fund balance we installed a VBrick system for video-on-demand and live news.

Federal Title II Part D funds have dwindled so our district invested in a Shared Service Agreement with Region XI Education Service Center. With the SSA we have been able to support the registration of all interested teachers into the Texas Teacher Technology Competency Certification program to demonstrate their technology skills. Additionally under the SSA we have been able to participate in virtual field trips and professional development classes without cost. We have accepted ownership of the T-1 lines from Grandview to SBC Central Office in Fort Worth in response to eRate requirements. During the 2007-2008 school year, we added a 5 MB wireless link through Cool Access which upgraded in 2009-2010 to 10 MB. NComputing’s Extenda units have been utilized to expand our computer inventory with the growing need for one-to-one computers in student learning and assessment. A rotation has been established at each campus to equip each teacher with a current computer that will facilitate their integration of technology into their curriculum. Using the Texas Teacher STaR Chart as a beginning point, more staff development will be scheduled to strengthen our faculty’s skills.

Inventory Assessment

District-Wide

- Connection to Internet via one (1) T1 line to Education Service Center Region XI through the SBC Central Office in Fort Worth. Ownership of these lines shifted to Grandview ISD July 1, 2005, and eRate applications reflect this change.
- 10 MB wireless link through Cool Access/Tier One
- District web servers in place supporting district information and student work.
- 1 GB Fiber-backbone, 100 MB Ethernet-to-the-desktop connected computers with eight file servers, one Internet information server, and one exchange server
- Fifteen Dell 2003/2008 servers
- Written policies in place on acceptable use of the Internet, intranet content, network management, CIPA, and equipment donations.
- eInstruction InterWrite boards, Classroom Performance System (CPS) clickers
- Automated identification system for security
- Meal Tracker lunchroom management system
- Phone/Fax service and potential phase-in of Voice over IP (VOIP)
- DVD burner, VBrick, TriCaster
- SchoolWires website service
GRANDVIEW High School

- Connection to ESC via T1 line and wireless microwave link for Internet access
- At least one network drop in every classroom and wireless access points
- Two (2) distance learning labs (TETN/RETN/concurrent college classes)
- Three (3) research labs; two (2) teaching labs
- Graphing calculators
- Digital projectors, document cameras, DVD players in every class
- Digital cameras, laptops, smart boards, televisions, DVD burners, printers and scanners, probes
- OnePlace service through the library that provides access to books, periodicals and journals, and databases for student research, plus streaming video
- ePals, Inova, Texas Math Science Diagnostics System, WebCCAT, Moodle
- Agile Minds, Adobe Illustrator, Adobe PageMaker, Adobe Photoshop, Avio Video Editor, Canon Photo Record, JCreator, Kudors, Macromedia Dreamweaver, Macromedia Fireworks, Macromedia Flash, Microsoft FrontPage, Microsoft Publisher, Nero, NovaNet, Optec Media Editor, Probeware, Quicken 2006, Smart Music, Sony Vegas, Texas Cares, UltraKey, Rosetta Stone, electronic textbooks, volleyball and basketball statistics programs, video technology.

GRANDVIEW Junior High School

- Connection to the Internet via wireless microwave link
- At least one network drop in every classroom and wireless access points
- Three networked computer labs
- Digital projectors, document cameras, DVD players in every class
- Digital video camera, cameras, laptops, graphing calculators, scanners, CD/DVD burners, color and black/white printers and scanners
- OnePlace service through the library that provides access to books, periodicals and journals, and databases for student research, plus streaming video
- Inova, PASeries, PearsonSuccess.net, Study Island, Texas Math Science Diagnostic System, AIMSWeb, Agile Minds
- Accelerated Reader Online, Adobe Photoshop, Big Shot Magnifier, Inspiration™, Kurzweil, Kudors, Microsoft Photo Editor, Smart Music, Star Reading Online, UIL Spelling Tutorial, UltraKey, iLife09, Web Blender, Rosetta Stone, electronic textbooks
GRANDVIEW Intermediate Campus

- Connection to the Internet via wireless microwave link
- At least one network drop in every classroom and wireless access points
- At least three (3) student computers in most classrooms
- Digital projectors, document cameras, DVD players in every class
- Digital cameras, laptops, televisions, printers and scanners
- Networked computer lab
- Fast Forward lab
- OnePlace service through the library that provides access to books, periodicals and journals, and databases for student research, plus streaming video
- Inova, PASeries, Texas Math Science Diagnostic System
- AIMSweb, Accelerated Reader Online, AR Bookguide, Adobe Photoshop, Boardmaker, Fast-Forward, File Maker Pro, Inspiration™, Macromedia Dreamweaver, Microsoft Publisher, Notedrops Music Memory Tutorial, ProScope HR, Star Reading Online, UIL Spelling Tutorial, UltraKey, Rosetta Stone, Video Blender, BrainPOP, NetTrekker, Study Island, Core Science Curriculum, electronic textbooks

GRANDVIEW Elementary Campus

- Connection to the Internet via wireless microwave link
- At least one network drop in every classroom and wireless access points
- Three (3) student computers in each classroom
- Digital projectors, document cameras, DVD player in every class
- Printers, digital cameras, scanners and televisions, laptops
- Networked computer lab
- Beginning at second grade all students access a home directory
- OnePlace service through the library that provides access to books, periodicals and journals, and databases for student research, plus streaming video
- AIMSweb, Accelerated Reader Online, Bailey’s Book House, File Maker Pro, Heart Soft, Kid Pix, Millie’s Math House, Music Ace, Pixie, Sammy’s Science House, Star Reading Online, Type to Learn Junior, UltraKey, World Discovery, Rosetta Stone, Education City, Bookflix, Study Island, electronic textbooks

Telecommunications Services

Currently, all students and staff members in the school district have access to the Internet through the district’s Local Area Network (LAN).

Computer Inventory

The latest inventory of computers available for student use in Grandview ISD as of October 2009 is given in the chart below. Only current, non-obsolete student computers are listed.
### Needs

Recognizing the continual need to improve academic achievement, it has been determined from the annual needs assessment, site-based committees, inventories, district and campus improvement plans, technology plan committee, and the *Texas Teacher STaR Charts* and *Texas Campus STaR Chart* that our district needs to focus on these areas:

- increasing teacher effectiveness through the integration of technology into curriculum and instruction to improve student achievement
- receiving ongoing, sustained professional development to further the effective use of technology in the classrooms and library media centers
- providing support resources to ensure successful and effective uses of technology in both instructional and assessment areas and encourage community involvement
- providing and maintaining a cost-efficient, effective, and safe infrastructure to maximize educational benefits by maintaining our backbone at a gigabyte; utilizing a rotating cycle for replacement of computers; extending warranties for the servers; and acquiring additional computers to equip labs and classrooms
- maintain ownership of T1 lines and access to the wireless microwave link to comply with E-Rate for our Internet access and distance learning labs, and
- maintain phone systems or VOIP for local and long distance service as requested in E-Rate.

### Goals and Objectives

GRANDVIEW ISD has developed goals and objectives based upon the recommendations defined by the *Texas Long Range Plan for Technology* in the areas of Teaching and Learning, Educator Preparation and Development, Leadership Administration and Support Services, and Infrastructure.

#### Teaching and Learning

Teaching and Learning focuses on the instructional needs of teachers and the learning needs of students in meeting the vision for technology in education. The *No Child Left Behind Act of 2001* calls for assisting every student in crossing the digital divide by ensuring that every student is technology literate by the time the student finishes the eighth grade, regardless of the student’s race, ethnicity, gender, family income, geographic location, or disability. The *Texas LRPT* embraces the belief that, before technology can
significantly improve learning, educators must first be competent with the Technology Applications standards that facilitate their work and support student learning. Teachers and students must move from traditional teaching and learning to a system empowering citizens for a global and digital world of information. The State Board for Educator Certification (SBEC) has adopted standards regarding teacher knowledge and use of technology and those standards are based on the Technology Applications TEKS for students in grades 6-8.

GOAL 1: All teachers will increase their effectiveness through the integration of technology into curriculum and instruction to improve student academic achievement including technology literacy.

Educator Preparation and Development
Educator Preparation and Development addresses the staff development needs not only of teachers but of all the members of the professional education community by identifying standards and enhancing certification.

GOAL 2: All educators will receive ongoing, sustained professional development to further the effective use of technology and to be sufficiently prepared to integrate technology resources effectively into curricula and instruction leading to improvements in student academic achievement.

Administration and Support Services
Administration and Support Services addresses the role of technology leaders to create a shared vision, encourage and sustain the appropriate integration of technology, use modern information technology tools to enhance accountability and hence use data for sound decision-making and continual assessment of effective technology for improving student learning.

GOAL 3: District administration will demonstrate effective leadership by providing support resources to ensure successful and effective uses of technology in both instructional and management areas and will encourage community involvement.

Infrastructure for Technology
Infrastructure for Technology focuses on hardware, software, and human infrastructure (the capabilities or proficiencies of those who use the technical components). The infrastructure of a school is the critical element of support for all four areas of the Texas Long Range Plan for Technology. This hardware—and the connecting peripherals such as the network connections and the resulting communications capabilities—enable the system to function properly. The infrastructure provides the foundation for software applications, computer programs, and the TEKS content.

GOAL 4: All students and staff will have access to cost-efficient, effective, and safe educational technology infrastructure to maximize educational benefits from our investment in technology.
**Goal 1: Teaching and Learning**
All teachers will increase their effectiveness through the integration of technology into curriculum and instruction to improve student academic achievement including technology literacy.

**Objective 1.1** 100% of instructional staff will integrate technology effectively into curriculum and instruction to improve academic achievement, including technology literacy.

**Budget amount:** $0  
**LRPT Category:** Teaching and Learning  
**NCLB Correlates:** N01, N11  
**E-rate Correlates:** ER01 Clear goals and realistic strategy for using telecommunications and information technology to improve education or library services

<table>
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<tr>
<th>Strategy</th>
<th>Responsibility</th>
<th>Timeline</th>
<th>Budget</th>
<th>Evaluation</th>
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</table>
| 1. Integrate the TA TEKS within the foundation curriculum at each grade level and provide specialized courses in Technology Applications; Offer TA high school courses to meet the curriculum and graduation requirements specified in 19 TAC Chapter 74. | • Campus Principals  
• Teachers | 2010-2011 | $ 0 | • Walk-Through Evaluation Forms  
• PDAS  
• Other evaluations |
| **LRPT Correlates:** TL01, TL02, TL03, TL06 | | | | |
| 2. Provide curriculum to ensure personal safety for students in a digital world and Acceptable Use Policies that specify expectations and rules for students, parents, and teachers. | • Administrators  
• Principals | 2010-2011 | $0 | • Curriculum resources  
• AUP for Students  
• AUP for Staff |
| **LRPT Correlates:** TL14 | | | | |
Goal 1: Teaching and Learning
All teachers will increase their effectiveness through the integration of technology into curriculum and instruction to improve student academic achievement including technology literacy.

Objective 1.1  100% of instructional staff will integrate technology effectively into curriculum and instruction to improve academic achievement, including technology literacy.

Budget amount: $0
LRPT Category: Teaching and Learning
NCLB Correlates: N01, N11
E-rate Correlates: ER01 Clear goals and realistic strategy for using telecommunications and information technology to improve education or library services

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<tr>
<td>3. Document progress of teachers towards mastery of Technology Applications Educator Standards I-V using the Texas STaR Chart; provide training for Tech Apps in Standards VI-XI; use of library standards to ensure school libraries assist teachers in teaching information literacy and TA TEKS.</td>
<td>Superintendent, Campus principals, Librarian</td>
<td>2010-2011</td>
<td>Title II D – SSA New Horizons vouchers</td>
<td>Texas Teacher Technology Competencies Certifications, New Horizons Certificates, Teacher STaR Chart, District Improvement Plan, Campus Improvement Plans, Library evaluations</td>
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LRPT Correlates: TL11, EP05, EP02
Goal 1: Teaching and Learning
All teachers will increase their effectiveness through the integration of technology into curriculum and instruction to improve student academic achievement including technology literacy.

Objective 1.2 100% of instructors will develop strategies using advanced technology for improving student achievement by aligning with state academic content (TEKS) to enable students to reach challenging academic achievement standards (TAKS).

Budget amount: $23,879
LRPT Category: Teaching and Learning
NCLB Correlates: N02, N09, N11
E-rate Correlates: ER01 Clear goals and realistic strategy for using telecommunications and information technology to improve education or library services

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<tr>
<td>1. Support teachers in developing websites and online resources to share lessons, monitor student progress, and establish regular communications with parents and students. Use digital diagnostic tools for formative evaluation to monitor progress toward the mastery of instructional objectives.</td>
<td>Teachers, Technology department</td>
<td>2010-2011 Lesson plans 2010-2011 Web access</td>
<td>$ 0</td>
<td>Lesson plan books, Skyward, UnitedStreaming, WebCCAT, Texas Math Science Diagnostic System, PASeries, Study Island, Teacher web pages, Website, AIMSweb</td>
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<tr>
<td>LRPT Correlates: TL04, TL16</td>
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<tr>
<td>2. Develop strategies to monitor and document progress of integration of technology into curricula and instruction and to monitor and report student mastery of the TA TEKS</td>
<td>Principals, Technology teachers, aides, Teachers</td>
<td>2010-2011</td>
<td>$ 0</td>
<td>Technology Applications, TEKS mastery checklist, Campus STaR Chart, Lesson plans, Report cards</td>
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<tr>
<td>LRPT Correlates: TL06</td>
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Goal 1: Teaching and Learning
All teachers will increase their effectiveness through the integration of technology into curriculum and instruction to improve student academic achievement including technology literacy.

Objective 1.2 100% of instructors will develop strategies using advanced technology for improving student achievement by aligning with state academic content (TEKS) to enable students to reach challenging academic achievement standards (TAKS).

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NCLB Correlates: N02, N09, N11
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<tr>
<td>3. Implement research-based strategies to improve academic achievement, including technology literacy of all students and implement innovative programs that promote parental involvement, increased communication with parents and community members, and community access to educational resources.</td>
<td>Technology department, Librarian, Teachers</td>
<td>2010-2011</td>
<td>$4500 Distance learning/RETN/TETN (Chapter 41, HS allotment) $2400 Fast ForWord $1094 Study Island $15,000 Skyward $885 Education City</td>
<td>AEIS results, AYP results, Analysis of benchmark tests, Scheduled use of distance learning labs, computer labs, District/Educator web pages, Fast ForWord, Tutorials, Study Island, Skyward, Education City</td>
</tr>
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LRPT Correlates: TL05, TL15
Goal 1: Teaching and Learning
All teachers will increase their effectiveness through the integration of technology into curriculum and instruction to improve student academic achievement including technology literacy.

Objective 1.3 100% of instructors will implement curricula and teaching strategies that integrate technology effectively into curricula and instruction, based on a review of relevant research and leading to improvements in student academic achievement.

Budget amount: $225,500
LRPT Category: Teaching and Learning
NCLB Correlates: N04a
E-rate Correlates: ER01 Clear goals and realistic strategy for using telecommunications and information technology to improve education or library services

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<tr>
<td>1. Support the use of technology to promote student-centered learning across geographic and cultural boundaries that include business and industry; provide instructional coaches to support classroom efforts in using technology to improve learning.</td>
<td>Administration, High school principal, High school counselor, CTE teachers</td>
<td>2010-2011</td>
<td>$80,000</td>
<td>Increased enrollment in CTE classes, Lesson plans</td>
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<td>LRPT Correlates: TL12; EP09</td>
<td></td>
<td></td>
<td>High School salaries, CTE funds in SSA with ESC XI</td>
<td></td>
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<tr>
<td>2. Support use of emerging technologies aligned with state standards for developing greater levels of collaboration, inquiry, analysis, creativity and content production</td>
<td>Administration, Principals, Librarian, Teachers</td>
<td>2010-2011</td>
<td>$135,000</td>
<td>Teachers and aides usage of technology, Walk-through Evaluations</td>
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<tr>
<td>LRPT Correlates: TL08</td>
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<td></td>
<td>Local, Title IA, and Title IIA Salaries: Fast ForWord aide, lab aide, Instructional Technologist, Junior High teacher, and 4 library aides</td>
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All teachers will increase their effectiveness through the integration of technology into curriculum and instruction to improve student academic achievement including technology literacy.

Objective 1.3 100% of instructors will implement curricula and teaching strategies that integrate technology effectively into curricula and instruction, based on a review of relevant research and leading to improvements in student academic achievement.

Budget amount: $225,500
LRPT Category: Teaching and Learning
NCLB Correlates: N04a
E-rate Correlates: ER01 Clear goals and realistic strategy for using telecommunications and information technology to improve education or library services

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| 3. Integrate student performance data from district/state assessment instruments with electronic curriculum resources to inform and differentiate instruction for every child | • Principals  
• Counselors  
• Teachers | 2010-2011 | $3000  
WebCCAT  
$6000  
INOVA  
$1500  
AIMSWeb | • AEIS reports  
• AYP reports  
• TAKS, TAKS-Accommodated  
• TAKS-M and TAKS-Alt  
• TELPAS results  
• Analysis of benchmark tests  
• WebCCAT  
• INOVA  
• AIMSWeb  
• Kuder |

LRPT Correlates: TL07
**Goal 2: Educator Preparation and Development**
All educators will receive ongoing, sustained professional development to further the effective use of technology and to be sufficiently prepared to integrate technology resources effectively into curricula and instruction leading to improvements in student academic achievement.

**Objective 2.1** 100% of teachers, principals, administrators, and library media personnel will receive ongoing, aligned professional development using technology to further the effective use of technology in the classroom or library media center and increasing the ability of teachers to teach.

**Budget amount:** $1258  
**LRPT Category:** Educator Preparation and Development  
**NCLB Correlates:** N04b  
**E-rate Correlates:** ER02 The plan must have a professional development strategy to ensure that staff know how to use these new technologies to improve education or library services.

<table>
<thead>
<tr>
<th>Strategy</th>
<th>Responsibility</th>
<th>Timeline</th>
<th>Budget</th>
<th>Evaluation</th>
</tr>
</thead>
</table>
| 1. Develop strategies for and monitor progress of educators, including campus administrators and librarians, to master the Technology Applications Educator Standards I-V as access to technology and professional development becomes available. | • Administration  
• Principals | 2010-2011 | $1258 | • Teacher certification records  
• Transcripts of training from ESC Region XI  
• C P E credits  
• New Horizons certificates  
• Personnel records  
• District/campus improvement plans  
• Texas Teacher Technology Competencies Certificates |
| **LRPT Correlates:** EP04 | | | | |
| 2. Encourage participation in statewide technology professional development opportunities and participation in the Master Technology Teacher program. | • Administration  
• Principals | 2010-2011 | $0 | • C P E credits  
• Training certificates  
• ESC Transcripts |
| **LRPT Correlates:** EP06; EP07 | | | | |
| 3. District will allocate funds for professional development activities on integration of technology. | • Administration  
• Principals | 2010-2011 | $0 | • Annual district budget  
• Title funds |
| **LRPT Correlates:** L06 | | | | |
Goal 2: Educator Preparation and Development
All educators will receive ongoing, sustained professional development to further the effective use of technology and to be sufficiently prepared to integrate technology resources effectively into curricula and instruction leading to improvements in student academic achievement.

Objective 2.2 100% of teachers and students will have increased access to technology for effective teacher integration or student production.

Budget amount: $25,862
LRPT Category: Educator Preparation and Development
NCLB Correlates: N03
E-rate Correlates: ER02 The plan must have a professional development strategy to ensure that staff know how to use these new technologies to improve education or library services.

<table>
<thead>
<tr>
<th>Strategy</th>
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<th>Timeline</th>
<th>Budget</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Ensure that school libraries have the latest technology and online resources for student research and curriculum integration as well as print resources.</td>
<td>Administration, Principals, Librarian</td>
<td>2010-2011</td>
<td>$25,862</td>
<td>Schedules/lesson plans, Purchase orders, Inventory, Research databases, Shelf lists of collections, Licenses, OnePlace</td>
</tr>
</tbody>
</table>

LRPT Correlates: TL10
Goal 2: Educator Preparation and Development
All educators will receive ongoing, sustained professional development to further the effective use of technology and to be sufficiently prepared to integrate technology resources effectively into curricula and instruction leading to improvements in student academic achievement.

Objective 2.3 100% of educators will integrate technology into curricula and instruction.

Budget amount: $0
LRPT Category: Educator Preparation and Development
NCLB Correlates: N07
E-rate Correlates: ER02 The plan must have a professional development strategy to ensure that staff know how to use these new technologies to improve education or library services.

<table>
<thead>
<tr>
<th>Strategy</th>
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<th>Timeline</th>
<th>Budget</th>
<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Utilize the district technology plan to ensure technology resources promote student achievement in accordance with No Child Left Behind. LRPT Correlates: L05</td>
<td>Administration  Principals  Teachers  Librarian  Technology Plan Committee</td>
<td>2010-2011</td>
<td>$ 0</td>
<td>Campus Improvement Plans  District Improvement Plan  Technology Plan</td>
</tr>
<tr>
<td>2. Provide professional development for teaching and integrating TA TEKS into the foundation and enrichment TEKS. LRPT Correlates: EP01</td>
<td>Technology teachers  Teachers</td>
<td>2010-2011</td>
<td>$0</td>
<td>Title II Part D - SSA  Technology teachers lesson plans  Teacher lesson plans  ESC Transcripts</td>
</tr>
<tr>
<td>3. Training will be provided on the use of electronic tools and information to support sound, data-driven decision making and access to digital instructional tools meeting interoperability standards LRPT Correlates: EP03; I09</td>
<td>Administration  Principals  Counselors</td>
<td>2010-2011</td>
<td>$0</td>
<td>Campus Improvement Plans  District Improvement Plan  WebCCAT  INOVA</td>
</tr>
</tbody>
</table>
Goal 3: Leadership, Administration and Support
District administration will demonstrate effective leadership by providing support resources to ensure successful and effective uses of technology in both instructional and management areas and will encourage community involvement.

Objective 3.1 100% of administration, teachers, and staff will demonstrate increased technology competencies to support process and accountability measures in the long range technology plan.

Budget amount: $0
LRPT Category: Leadership, Administration and Support
NCLB Correlates: N11
E-rate Correlates: ER05 Plan must include an evaluation process that enables the school to monitor progress toward the specified goals and make mid-course corrections in response to new developments and opportunities as they arise.

<table>
<thead>
<tr>
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</tr>
</thead>
</table>
| 1. Utilize innovative strategies for the 24/7 delivery of ongoing professional development through the use of technology, including online and other distance learning and digital content services to meet the diverse and personal learning needs of all educators. | Administration
Technology Coordinators
Principals
Technology teachers
Librarian | 2010-2011 | $ 0 | Texas Teacher Technology Competencies Certifications
New Horizons classes
ESC XI classes
Moodle
Elluminate Live
RETN/TETN |
| LRPT Correlates: EP08 | | | | |
| 2. Provide instructional assistance for and document progress of the effective integration of technology into teaching and learning and report student mastery of the TA TEKS. | Administration
Principals | 2010-2011 | $ 0 | Teacher lesson plans
Texas Teacher STaR Chart
Walk-through Evaluations
Training sessions
Student products/portfolios |
| LRPT Correlates: L10, TL06 | | | | |
Goal 3: Leadership, Administration and Support

District administration will demonstrate effective leadership by providing support resources to ensure successful and effective uses of technology in both instructional and management areas and will encourage community involvement.

Objective 3.2 Administration will promote a comprehensive planning process to ensure technology plans are in compliance with state and federal regulations and that district and campus improvement plans address technology needs as well as collaboration with community and adult literacy service providers.

Budget amount: $0
LRPT Category: Administration and Support Services
NCLB Correlates: N06, N10
E-rate Correlates: ER05 Plan must include an evaluation process that enables the school to monitor progress toward the specified goals and make mid-course corrections in response to new developments and opportunities as they arise.

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<th>Timeline</th>
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</thead>
</table>
| 1. Promote a comprehensive planning process to ensure technology plans include clear goals, realistic strategies, and critical components such as compliance with state and federal regulations. Ensure a viable technology plan is written and approved prior to applying for the federal E-Rate program. | Administrators | Technology planning committee | 2010-2011 | $0 | • Technology plan  
• NCLB Alignment Report  
• ERate Alignment Report  
• LRPT Alignment Report  
• E-Rate applications  
• TEA Technology Plan Approval |
| LRPT Correlates: L02, L04 | | | | | |
| 2. Incorporate ongoing technology planning and professional development on the integration of technology in classroom, library, campus and district improvement plans. Coordinate the use of electronic data in district planning to support research-based decision-making focused on student success. | Administration | Principals | Teachers | 2010-2011 | $0 | • District Improvement Plan  
• Campus Improvement Plans  
• AEIS reports  
• AYP reports  
• Teacher STaR Charts  
• INOVA |
Goal 3: Leadership, Administration and Support
District administration will demonstrate effective leadership by providing support resources to ensure successful and effective uses of technology in both instructional and management areas and will encourage community involvement.

Objective 3.2 Administration will promote a comprehensive planning process to ensure technology plans are in compliance with state and federal regulations and that district and campus improvement plans address technology needs as well as collaboration with community and adult literacy service providers.

Budget amount: $0
LRPT Category: Administration and Support Services
NCLB Correlates: N06, N10
E-rate Correlates: ER05 Plan must include an evaluation process that enables the school to monitor progress toward the specified goals and make mid-course corrections in response to new developments and opportunities as they arise.

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</thead>
</table>
| 3        | Participate in collaboration with representatives from PreK-12, higher education, parents, businesses and community to share resources and services for adult literacy, ESL classes, and dual credit courses. | Administration, Adult literacy provider, High school principal, High school counselor | 2010-2011 | $ 0 | - Link on website to adult literacy services through local college/service providers  
- Adult ESL classes at GHS  
- CTE services  
- Dual credit courses |

LRPT Correlates: L13
Goal 3: Leadership, Administration and Support
District administration will demonstrate effective leadership by providing support resources to ensure successful and effective uses of technology in both instructional and management areas and will encourage community involvement.

Objective 3.3 Administration will encourage the development and use of innovative strategies for the delivery of specialized course and curricula through the use of technology, including distance learning technologies and use of video streaming.

Budget amount: $10,000
LRPT Category: Administration and Support Services
NCLB Correlates: N08, N05
E-rate Correlates: ER05 Plan must include an evaluation process that enables the school to monitor progress toward the specified goals and make mid-course corrections in response to new developments and opportunities as they arise.

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<th>Timeline</th>
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<th>Evaluation</th>
</tr>
</thead>
</table>
| 1. Utilize innovative strategies for the 24/7 delivery of specialized or rigorous courses and expanded curricular and instructional offerings through the use of technology, including online and other distance learning and digital content services to meet the diverse and personal learning needs of all students. | - Administration  
- Technology Coordinators  
- High school principal  
- High school counselor | 2010-2011 | $10,000 | - Purchase requisitions  
- Inventory  
- Course offerings  
- NovaNet  
- Dual credit courses via RETN |

LRPT Correlates: TL13

Nova Net: 7 ports @ $9240 + summer school additional ports RETN
Goal 3: Leadership, Administration and Support
District administration will demonstrate effective leadership by providing support resources to ensure successful and effective uses of technology in both instructional and management areas and will encourage community involvement.

Objective 3.4 Administration will provide supporting resources, such as services, software, other electronically delivered learning materials, and print resources, that will ensure successful and effective uses of technology.

**Budget amount:** $4000
**LRPT Category:** Administration and Support Services
**NCLB Correlates:** N12
**E-rate Correlates:** ER05 Plan must include an evaluation process that enables the school to monitor progress toward the specified goals and make mid-course corrections in response to new developments and opportunities as they arise.

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<th>Evaluation</th>
</tr>
</thead>
</table>
| 1. Identify funding and support expanded curricula and instructional opportunities (services, software, electronically delivered learning materials, and print resources) in classroom, library and labs via online and other distance learning. **LRPT Correlates:** L15 | Administration  
Technology Coordinators  
Principals  
Technology teachers  
Librarian | 2010-2011 | $0 | Purchase requisitions  
Inventory of software  
Research databases  
Tech support services, licenses  
Shelf lists of library collections  
OnePlace Resource |
| 2. Implement policies to expand parental and community access to school facilities, library resources and non-secured data through technology; provide parents secure electronic access to student information. **LRPT Correlates:** L09, L11 | School trustees  
Administration  
Principals  
Librarian | 2010-2011 | $4000 | Board policy  
Schedules  
School calendars  
Skyward software |

Stipend to library aide to open high school library at 7:30 a.m. and close at 4:00 p.m.
## Goal 4: Infrastructure
All students and staff will have access to cost-efficient, effective, and safe educational technology infrastructure to maximize educational benefits from our investment in technology.

**Objective 4.1** 100% of district will have high speed, cost-effective networking, web access, and email to ensure target levels for all students and teachers.

**Budget amount:** $203,885

**LRPT Category:** Infrastructure for Technology

**NCLB Correlates:** N03, N05, N09

**E-rate Correlates:** ER03, ER04

Plan must include an assessment of the telecommunication services, hardware, software, and other services that will be needed to improve education or library services. Plan must provide for a sufficient budget to acquire and support the nondiscounted elements of the plan.

### Strategy

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<tr>
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<th>Budget</th>
<th>Evaluation</th>
</tr>
</thead>
</table>
| 1. Design, install, and maintain a technology and telecommunications infrastructure for communications and services to ensure equitable high speed access for all campuses and participate in the high-capacity statewide telecommunications network. | Administration, Technology coordinators | 2010-2011 | $4500 (E-Rate and local)  
1 T-1 line (Grandview to SBC)  
$30,000 Local funds for district infrastructure  
- $1725  
- AccuScan support  
- $2460  
- LightSpeed  
- $12,000  
- Cool Access/Tier One | Inventory, Purchase requisitions |
| LRPT Correlates: I01, I06 |
| 2. Maintain technology equipment target of a student to workstation ratio of 3:1 while moving to achieve a ratio of 1:1. | Administration, Technology coordinators | 2010-2011 | $93,500 Local: 4 campuses - equipment | Inventory, Texas STaR Chart |
| LRPT Correlates: I04 |
Goal 4: Infrastructure
All students and staff will have access to cost-efficient, effective, and safe educational technology infrastructure to maximize educational benefits from our investment in technology.

Objective 4.1 100% of district will have high speed, cost-effective networking, web access, and email to ensure target levels for all students and teachers.

**Budget amount:** $203,885  
**LRPT Category:** Infrastructure for Technology  
**NCLB Correlates:** N03, N05, N09  
**E-rate Correlates:** ER03, ER04  
Plan must include an assessment of the telecommunication services, hardware, software, and other services that will be needed to improve education or library services. Plan must provide for a sufficient budget to acquire and support the nondiscounted elements of the plan.

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<th>Budget</th>
<th>Evaluation</th>
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</thead>
</table>
| 3. Maintain a personal computing device ratio of 1:1 for professional educators. **LRPT Correlates:** I04 | ▪ Administration  
▪ Technology coordinators | 2010-2011 | $36,500 | ▪ Inventory  
▪ Texas STaR Chart |
| 4. Maintain computer workstation access for all students and staff in libraries, labs, classrooms and school offices ensuring ADA accessibility. **LRPT Correlates:** I05 | ▪ Administration  
▪ Technology coordinators  
▪ Principals | 2010-2011 | $0 | ▪ Inventory  
▪ Monitor for ADA access |
| 5. Build community support for anytime, anywhere Internet access through collaborative planning, education, public information and other means. **LRPT Correlates:** I03 | ▪ Administration  
▪ Technology Plan Committee  
▪ Principals  
▪ Community members | 2010-2011 | Windstream  
$10,500 (local service / eRate)  
$4800 (long distance service / eRate)  
$1900 SchoolWires (webpage)  
$6000 Eduphoria!  
Possible VOIP service | ▪ Participation on technology plan committee  
▪ Texas STaR Chart  
▪ Current billing invoices  
▪ eRate forms  
▪ Family Access (Skyward)  
▪ SchoolWires – webpage  
▪ Eduphoria – forms access |
Goal 4: Infrastructure
All students and staff will have access to cost-efficient, effective, and safe educational technology infrastructure to maximize educational benefits from our investment in technology.

Objective 4.2 100% of district will have current technology and infrastructure acquired with Ed Tech and other funds.

Budget amount: $97,009
LRPT Category: Infrastructure for Technology
NCLB Correlates: N03, N09
E-rate Correlates: ER03, ER04 Plan must include an assessment of the telecommunication services, hardware, software, and other services that will be needed to improve education or library services. Plan must provide for a sufficient budget to acquire and support the nondiscounted elements of the plan.

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<th>Evaluation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Include input from professional staff and community members on the planning and support for the integration of technology.</td>
<td>Administration  ■ Principals  ■ District site-based committees  ■ Campus site-based committees  ■ Technology planning committee</td>
<td>2010-2011</td>
<td>$ 9</td>
<td>District Improvement Plan  ■ Campus Improvement Plans  ■ Technology Plan</td>
</tr>
<tr>
<td>LRPT Correlates: L07</td>
<td></td>
<td></td>
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<tr>
<td>2. Maintain an obsolescence policy to ensure maximum efficiency and use of technology and infrastructure.</td>
<td>Administration  ■ Technology coordinators</td>
<td>2010-2011</td>
<td>$ 0</td>
<td>Technology Plan</td>
</tr>
<tr>
<td>LRPT Correlates: I07</td>
<td></td>
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</tr>
<tr>
<td>3. Provide and maintain an infrastructure for communications with parents and community members; ensure that critical technology applications can be recovered in a timely manner</td>
<td>Administration  ■ Technology coordinators</td>
<td>2010-2011</td>
<td>$97,000 Local funds</td>
<td></td>
</tr>
</tbody>
</table>
### Key Area: Teaching and Learning

<table>
<thead>
<tr>
<th>Grandview Campus</th>
<th>Patterns of Classroom Use</th>
<th>Frequency/Design of Instructional Setting</th>
<th>Content Area Connections</th>
<th>TA TEKS Implementation (TAC Ch. 126)</th>
<th>Student Mastery of TA TEKS</th>
<th>Online Learning</th>
</tr>
</thead>
<tbody>
<tr>
<td>High School</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Junior High</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
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<td>2</td>
</tr>
<tr>
<td>Intermediate</td>
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<td>3</td>
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<tr>
<td>Elementary</td>
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<td>3</td>
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<td>2</td>
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</table>

### Key Area: Educator Preparation and Development

<table>
<thead>
<tr>
<th>Grandview Campus</th>
<th>Content of Professional Development</th>
<th>Models of Professional Development</th>
<th>Capabilities of Educators</th>
<th>Access to Professional Development</th>
<th>Levels of Understanding and Patterns</th>
<th>Professional Development Online Learn.</th>
</tr>
</thead>
<tbody>
<tr>
<td>High School</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>3</td>
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<tr>
<td>Junior High</td>
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<td>3</td>
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<tr>
<td>Intermediate</td>
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<tr>
<td>Elementary</td>
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### Key Area: Leadership, Administration and Support Services

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<tbody>
<tr>
<td>High School</td>
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<tr>
<td>Junior High</td>
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<tr>
<td>Intermediate</td>
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<td>Elementary</td>
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</tbody>
</table>

### Key Area: Infrastructure for Technology

<table>
<thead>
<tr>
<th>Grandview Campus</th>
<th>Students per computer</th>
<th>Internet access connectivity, speed</th>
<th>Other Classroom Technology</th>
<th>Technical Support</th>
<th>Local Area Network Wide Area Network</th>
<th>Distance Learning Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>High School</td>
<td>3</td>
<td>4</td>
<td>4</td>
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<td>Junior High</td>
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<tr>
<td>Elementary</td>
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<td>3</td>
</tr>
</tbody>
</table>
### District Averages for STaR Charts for Grandview ISD 2009-2010

#### Key Area: Teaching and Learning

<table>
<thead>
<tr>
<th>Grandview ISD</th>
<th>Patterns of Classroom Use</th>
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<th>Content Area Connections</th>
<th>TA TEKS Implementation</th>
<th>Student Mastery of TA TEKS</th>
<th>Online Learning</th>
<th>Average Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>Advanced Tech</td>
</tr>
</tbody>
</table>

#### Key Area: Educator Preparation and Development

<table>
<thead>
<tr>
<th>Grandview ISD</th>
<th>Content of Professional Development</th>
<th>Models of Professional Development</th>
<th>Capabilities of Educators</th>
<th>Access to Professional Development</th>
<th>Levels of Understanding and Patterns</th>
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<th>Average Score</th>
</tr>
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<tbody>
<tr>
<td>District</td>
<td>3</td>
<td>3</td>
<td>3</td>
<td>2</td>
<td>3</td>
<td>2</td>
<td>Advanced Tech</td>
</tr>
</tbody>
</table>

#### Key Area: Leadership, Administration and Support Services

<table>
<thead>
<tr>
<th>Grandview ISD</th>
<th>Leadership and Vision</th>
<th>Planning</th>
<th>Instructional Support</th>
<th>Communication and Collaboration</th>
<th>Budget</th>
<th>Leadership and Support Online Lear.</th>
<th>Average Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
<td>3</td>
<td>3</td>
<td>3</td>
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<td>3</td>
<td>3</td>
<td>Advance Tech</td>
</tr>
</tbody>
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#### Key Area: Infrastructure for Technology

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<tr>
<th>Grandview ISD</th>
<th>Students per Computer</th>
<th>Internet Access Connectivity</th>
<th>Other Classroom Technology</th>
<th>Technical Support</th>
<th>LAN/WAN</th>
<th>Distance Learning Capacity</th>
<th>Average Score</th>
</tr>
</thead>
<tbody>
<tr>
<td>District</td>
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<td>4</td>
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<td>3</td>
<td>Advanced Tech</td>
</tr>
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</table>
Sustainability and Supporting Resources

GRANDVIEW ISD is committed to sustaining and improving the use of technology to increase the academic performance of all students. Beyond the state technology allotment, the district has contributed local funds for technology enhancements and will continue to do so in the future. The network administrators are actively working to ensure that all technology equipment functions well, and administration is seeking additional sources for equipment, services, software, and other electronically delivered learning materials and print resources that will ensure successful and effective uses of technology.

GRANDVIEW ISD is also committed to increasing the number of computer workstations for students and staff until the TEA target equipment ratios are met and a replacement cycle established within the Texas STAAR Chart parameters. These workstations will be purchased out of local funds and high school allotment and will be purchased in mass quantities. This will help us to achieve cost savings due to volume bidding and discounts. The school district is also participating in the E-rate program and has applied for discounts district-wide.

Budget

Funding sources include state technology allotment, high school allotment, and E-Rate discounts, as well as local and federal funds. Title II Part D formula funds received for 2009-2010 are $1258 and are used in a Shared Service Agreement with ESC Region XI. The eRate discount for 2009-2010 is 62%. Similar amounts will be projected for 2010-2011.

District Budget Detail – 2010-2011

<table>
<thead>
<tr>
<th>Budget Area</th>
<th>Costs</th>
<th>Funding Sources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Teaching and Learning</td>
<td>$249,379</td>
<td>E-Rate; Local; Title IA</td>
</tr>
<tr>
<td>Educator Preparation and Development</td>
<td>$27,120</td>
<td>Local; Title II Part D SSA</td>
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<tr>
<td>Leadership, Administration and Support</td>
<td>$14,000</td>
<td>Local; Title II Part D SSA</td>
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<tr>
<td>Infrastructure</td>
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<td>E-Rate; Local</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>$591,393</strong></td>
<td></td>
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</tbody>
</table>
Evaluation

Evaluation of the Grandview ISD Technology Plan will be a systematic ongoing process. All aspects of the plan will be evaluated twice each year in October and May. Teachers will be monitored during formal and informal evaluations (PDAS, Walk-Through Evaluations, and other forthcoming evaluations). Teacher STaR Chart results will be used to determine each Campus STaR Chart which will be used to help the district assess its progress toward meeting the goals of the Texas Long Range Plan for Technology 2006-2020.

The Technology Plan Committee members will be responsible for the ongoing evaluation of this plan. The intention of the evaluation will be to make decisions on the impact that technology has on the learning process for all students. Goals and objectives will be adjusted, staff development will be updated, and timelines will be amended. New technology will be discussed and assessed for possible inclusion in the plan, while obsolete software or infrastructure will be removed. A report will be given to the Superintendent and the Board of Trustees after the fall evaluation occurs.

Other methods used for evaluation will include:

- Disaggregate data produced by the TAKS test to evaluate improvement in student performance
- Annual completion of Teacher STaR Charts and compilation into Campus STaR Charts plus the NCLB Requirement
- Records of staff member participation in technology training monitored by sign-in sheets or certificates of training, teacher professional development records, and completion of Texas Teacher Technology Competencies Certifications.
- Integration of technology into the classroom as measured by lesson plans, surveys, products, checklists, observations, self-evaluation tools (StaR Chart and NCLB Requirement), or number and type of technology and distance learning projects.
- Monitoring of community access to information on the campuses or on the web site.
- Yearly inventory of hardware, software, and infrastructure
- Support and maintenance of technology resources as documented by technical support records
- Presentation of student products during class and at parent meetings or open house.
Bibliography


Glossary of Technology and E-Rate Terms

**Acceptable use policy:** This is a policy set up by the network administrator or other school leaders in conjunction with their technology needs and safety concerns. This policy restricts the manner in which a network may be used, and helps provide guidelines for teachers using technology in the classroom.

**Application:** A software program that lets you complete a task, such as writing a paper, creating a poster, designing an image, or viewing a Web page.

**Benchmark:** A standardized task to test the capabilities of various devices or organizations against each other for performance.

**Browser:** An application (such as Netscape Navigator or Microsoft Internet Explorer) used to locate and display a Web page.

**Cable:** A single wire or group of individual wires in a single sheath.

**Cache:** Cache memory is used by the CPU. It contains the set of instructions next to be executed.

**CAD:** Computer-aided Design

**CD-ROM:** Compact Disc-Read Only Memory is a compact disc formatted for data storage. Most CD-ROMs can store 650 megabytes of data.

**Client/server:** This term denotes the technology relationship between two types of computers, the client and the server (a computer that stores and delivers information or files to you). When surfing the Internet, you are the client, and the pages you are reading come from the server.

**Connectivity:** Connectivity is the ability of a device to communicate with other devices through a communications facility.

**Desktop:** The background behind all your windows, menus, and dialog boxes: your virtual desk. You can change the look of your desktop by applying different properties to it through your control panel.

**Digital:** Using a limited, predetermined numbering system to measure or represent the flow of data. Modern computers are digital because they use the fixed binary digits 0 and 1 to represent all data.

**Distance learning:** The integration of technology in educational courses whereby students may view and participate in lectures from various locations. Various forms of computer-based communication (email, videoconferencing, electronic forums)
may be used to facilitate class discussions or communication between faculty and students.

**Domain name**: The unique address name for an Internet site. The part on the left is the most specific, and the part on the right is the most general. Each domain name is associated with one and only one Internet Protocol Number, which is translated by a Domain Name System (DNS).

**DNS (Domain Name System)**: The distributed name and address mechanism used in the Internet.

**Download**: To save a file such as sounds, movie clips, or text files to the hard drive of the user's computer from a remote computer through the network connection.

**DVD**: Digital Video Disc is a special type of CD-ROM with greater data storage capacity and access rate. Most commonly used as a medium for movies and other video data.

**Electronic mail (Email)**: Email is an electronic document (usually a message) sent to a person or group through the server/Internet. When used as a verb, "email" refers to the act of sending such a document.

**Electronic Voice Mail**: Voice Mail is a system which stores messages spoken by a user, usually over a telephone, which can be retrieved by the intended recipient when that person next calls into the system and operates just like a touch-tone controlled answering machine.

**E-rate**: A common name for the Universal Service Fund for Schools and Libraries

**Fiber**: Fine glass strands, the thickness of a human hair. Coherent light systems which now can be modulated to carry broadband telecommunications multiplexing can be routed on these glass fibers.

**Firewall**: Hardware and/or software that separates a Local Area Network (LAN) into two or more parts for security purposes.

**FTP**: File Transfer Protocol is a TCP/IP protocol that lets a user on one computer access and transfer data to another computer over a network. ftp is usually the name of the program the user invokes to accomplish this task.

**GIF**: Graphics Interchange Format is an efficient method of storing graphics that take up a small amount of disk space and can be transmitted quickly. GIFs can be viewed on any computer platform and are best for illustrations, cartoons, logos, or similar non-photographic graphics.
**Hard drive:** Physical computing machinery for storing information in a fixed location used for storing programs and documents that are not being used.

**Homepage:** The main page of a web site that provides links to other pages on the site or related sites. A site is a collection of pages.

**Host:** The name given to the primary or controlling computer directly connected to multiple computer installations in a network. A host computer on the Internet could be anything from a mainframe to a personal computer.

**HTML:** Hypertext Markup Language is a standardized programming language used to create electronic documents, especially web pages.

**Hypertext:** Hypertext is a system that links text, graphics, and programs in a file so that, when selected, it automatically retrieves and displays a related file. Hypertext most often appears blue and underlined in Web pages.

**Infrastructure:** Infrastructure is a network of interconnected computers and communications systems. Essential elements include wiring, fiber optics, radio, video and/or cellular broadcast signals.

**Internet:** A global network linking millions of computers for communications purposes, especially email and web connections. The Internet uses the TCP/IP suite.

**Internet Service Provider (ISP):** An organization that provides access to the Internet.

**Interoperability:** Interoperability is the ability of software and hardware on multiple machines to communicate.

**Internal connections:** The wires and equipment needed for connecting computers within an entity.

**JPG or JPEG:** Joint Photographic Experts Group is an efficient method for storing graphic files for transmission that lose a little data when the image is converted. Though their files are often much larger than GIFs, JPGs are best suited to photographic images.

**LAN:** Local Area Network is a computer network limited to the immediate area, usually the same building.

**LCD:** Liquid Crystal Display is an alphanumeric display used especially in portable electronic devices.

**Login:** The process by which a user enters an account name and password to access a computer network.
Multimedia: Multimedia software presents information in the combination of audio, video, animation, and graphics. Multimedia computers are required to run these types of programs.

Network: A network is a set of connected computers that share storage devices, peripherals, and applications allowing people to share information and equipment. Many schools have a Local Area Network and are also connected to a Wide Area Network.

Network Management: A set of procedures, equipment and operations designed to keep a network operating near maximum efficiency when unusual loads or equipment failures would otherwise force the network into a congested, inefficient state.

PEIMS: Public Education Information Management System (PEIMS) are standard reports collected from all Texas school districts including information about student demographics and academic performance, staff, organizational information as well as district financial data.

Peripheral Equipment: Equipment works closely with on-line equipment.

POTS (Plain Old Telephone Service): POTS is the basic service of supplying standard single line telephones, telephone lines and access to the public switched network.

Real Time: In data processing or data communications, real time means the data is processed the moment it enters a computer, as opposed to batch processing, where the information enters the system and is stored to be processed at a later time.

Remote access: Remote access is a communication service which makes it possible to connect through a data link to a network from a distant location.

Scanner: A scanner is a device that can read text or illustrations printed on paper and translate the information into a form the computer can use. A scanner works by digitizing an image and placing it on the computer as a file.

Server: The control computer on a local area network (LAN) that manages software, access to printers, and other functions on network computers that share the main system's resources.

Site license: A license that gives permission to use a software package on more than one system. Site licenses are a means of providing a bulk rate to schools that want to use software on many computers.
SLD: Schools and Libraries Division of the Universal Service Administrative Company are responsible for administering universal service.

Software: Sets of instructions or data to operate a computer. Software is often divided into two categories: system software, which includes the operating system and all utilities that enable the computer to function; and applications software, which includes programs that perform specific tasks (e.g., word processors, spreadsheets, and databases).

Switch: Equipment used to interconnect lines and trunks.

T-1: Leased-line digital communications connections are capable of transmitting data at roughly 1.5 million bits (Mbits) per second. A T1 line actually consists of 24 individual channels, each of which supports 64Kbits per second. Each channel can carry voice or data traffic.

Upload: To transmit a file of data from your computer to another computer.

URL: Uniform Resource Locators are the address of any given site on the Internet. The URL of this site is: http://www.gvisd.org

Videoconference: A discussion made possible by electronic communications between two or more people in different locations. Participants view each other on screens with real-time sound and video transmitted between locations via the network.

Voice Mail (or Voice Messaging): A computerized, highly sophisticated answering service that automatically answers your call, plays a greeting in your own voice and records a message.

WAN: Wide Area Network connects several computers so they can share files and sometimes equipment, as well as exchange e-mail. A wide area network connects computers across a large geographic area, such as a school district.

Web page (or Web document): A web page is a document, usually written in Hypertext Markup Language (HTML) that can be accessed on the Internet. Web pages can contain information, graphics, and hyperlinks to other web pages and files.

Web site: A collection of web pages provides information such as text, graphics, and audio files to users as well as connections (“hypertext links,” “hyperlinks,” or just “links”) to other web sites on the Internet.

Wireless: Without wires
World Wide Web (WWW or the Web): World Wide Web is a graphical interface for the Internet composed of Internet servers that provide access to documents linking to other documents, multimedia files, and sites.

Word processor: Word processors are the software used to produce documents, such as letters, posters, and reports. Our district uses the Microsoft Office application of Microsoft Word.